



PhD Placement: Resume Building Session 2026-27





Today's Session

01

PhD placement process at IIT Bombay

02

Resume format and submission guidelines

03

Building an effective PhD resume

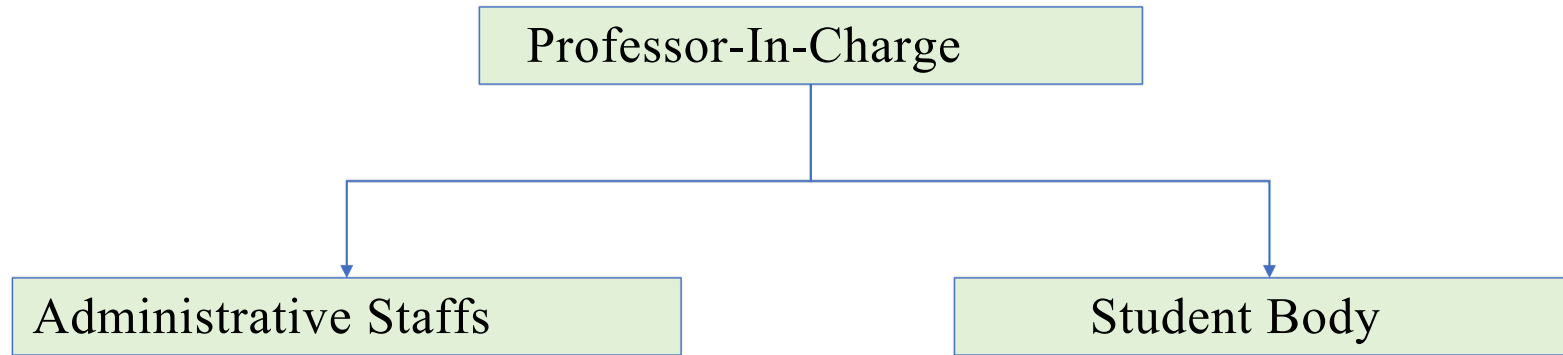


Part 1

PhD placement process at IIT Bombay 2026-27



Placement Team Structure



Roles of PhD Placement Team

1. Helping students with registration and resume verification
2. Pitching company for the hiring of phd students
3. Facilitating fair conduct of interviews
4. Maintaing database of students and companies



PhD Placement Team 2026-27

PPR



Rohit (PM)



Bhavya (PM)



Saradha



Latha



Khyati



Diphankar



Devilal (PM)



Siddhesh



Shruti



Deeksha



Unnati



Eligibility Criteria

PhD students can register till convocation subject the following conditions (Categories belonging to the time of admission):

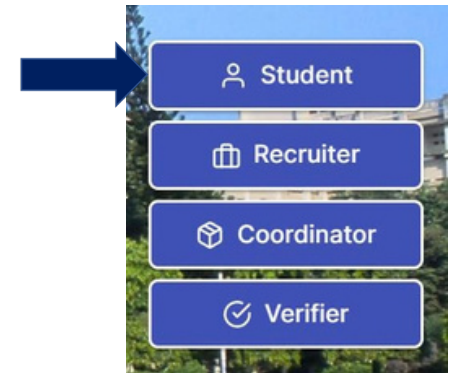
- TA / TAP / RA / FA / PS / IITB-Monash
 - Self-Financed (Subject to condition)
 - IS / CT / External / Sponsored not eligible
-
- Students are allowed to sit for consecutive two season (Subject to condition)
 - Till the date of Convocation



Step 1: Create a Student Profile

<https://campus.placements.iitb.ac.in/>

Go to the website and click on the students tab



Step 2: Submit NOC or Pre-Synopsis Completion proof

- NOC verification deadline has now passed
- **Missed the deadline?**
 - Submit a student application at the Placement Office explaining the reason
 - The PiCs will review the request and communicate the decision
- PhD timelines can differ, so genuine exceptional cases may be considered

Step 2: Submit NOC or Pre-Synopsis Completion proof

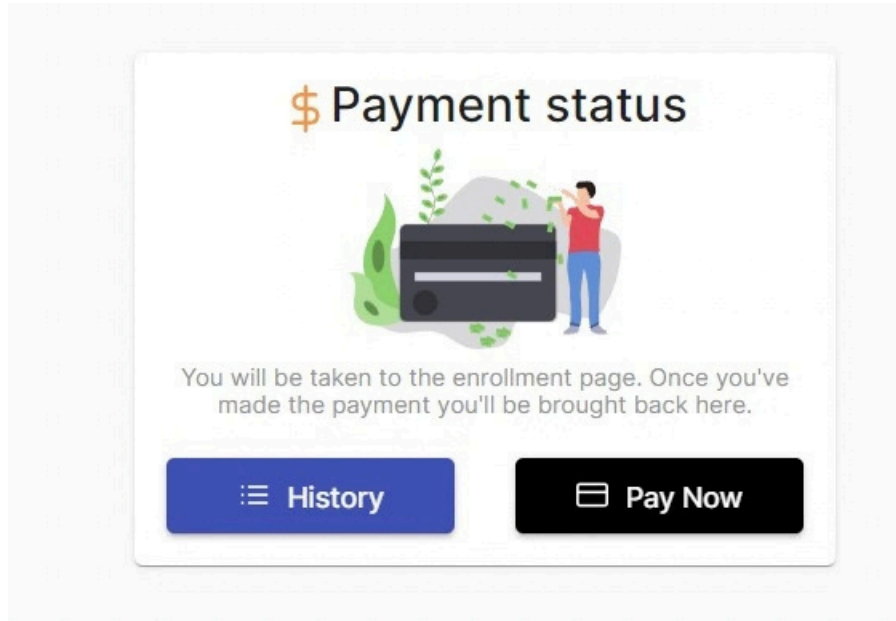
A. Pre-Synopsis Completion Proof

Download pdf from ASC Portal and “Request for signature” through AMS portal to Executive Officer, Placement Office at misc.eo.placement

B. NOC Submission Procedure (Pre-Synopsis pending / Not updated in ASC)

1. Download NOC form
 2. Fill up the form Digitally
 3. Obtain Signatures through AMS portal in Chronological manner
 - i. Signature by the Candidate
 - ii. Signature by the supervisor
 - iii Signature by the HoD
 - iv. Finally, “Request for signature” to EO, placement office (misc.eo.placement)
- Your paragraph text

Step 3: Payment



Where should we enroll you ?

Internship Placement

Please chose the activity carefully. Verify all the details shown in the next section before proceeding to payment.

Name of the student
SESAN NAYAK

Roll Number Batch
AUTUMN 2023

Enrolling Season Enrolling Year
PLACEMENT 2023

Payable Amount INR 2100

Cancel Pay Now

1. Confirmation of NOC / Pre-synopsis proof acceptance: *1-2 working days*
2. Confirmation of payment option activation *via mail from placement@iitb.ac.in/ check profile*
3. Payment option will remain active for *3 working days –missing out will result in unconfirmed delay*

Step 3: Tasks: Post Payment Access Activation

Upon Receiving Payment Access Confirmation Mail

1. **Join the cluster WhatsApp group** using link given in the mail, or through phdplacement blog
2. **Prepare** proper resumes, **collect proof** for all pointers in the resumes and your profile
3. **Make a single pdf file** containing all the proofs in a chronological manner ([Click here for help](#))
4. After payment, it takes **3-4 working days** to reconcile the payment

Post payment reconciliation

1. You will receive a **mail regarding profile editing and ~~resume upload timeline~~** from pm_phd.placement@iitb.ac.in
2. You will be provided a **total of 4 days** for
 - I. Profile editing (**must**)
 - II Resume and proof upload
 - III. Notify the concerned PPR through the cluster WA group and get verified within the given time frame

Job Announcement Form (JAF)

JAF Specifications

1. Title of the job
2. Job details
3. Selection procedure
4. Compensation package
5. Bonds (if applicable)
6. Job location

1. Regular Opportunity JAF

- Eligible for Department and Discipline
- **Total allowed = 80**

2. Bonus Opportunity JAF

- Eligible across Department and Disciplines
- Total allowed = 10

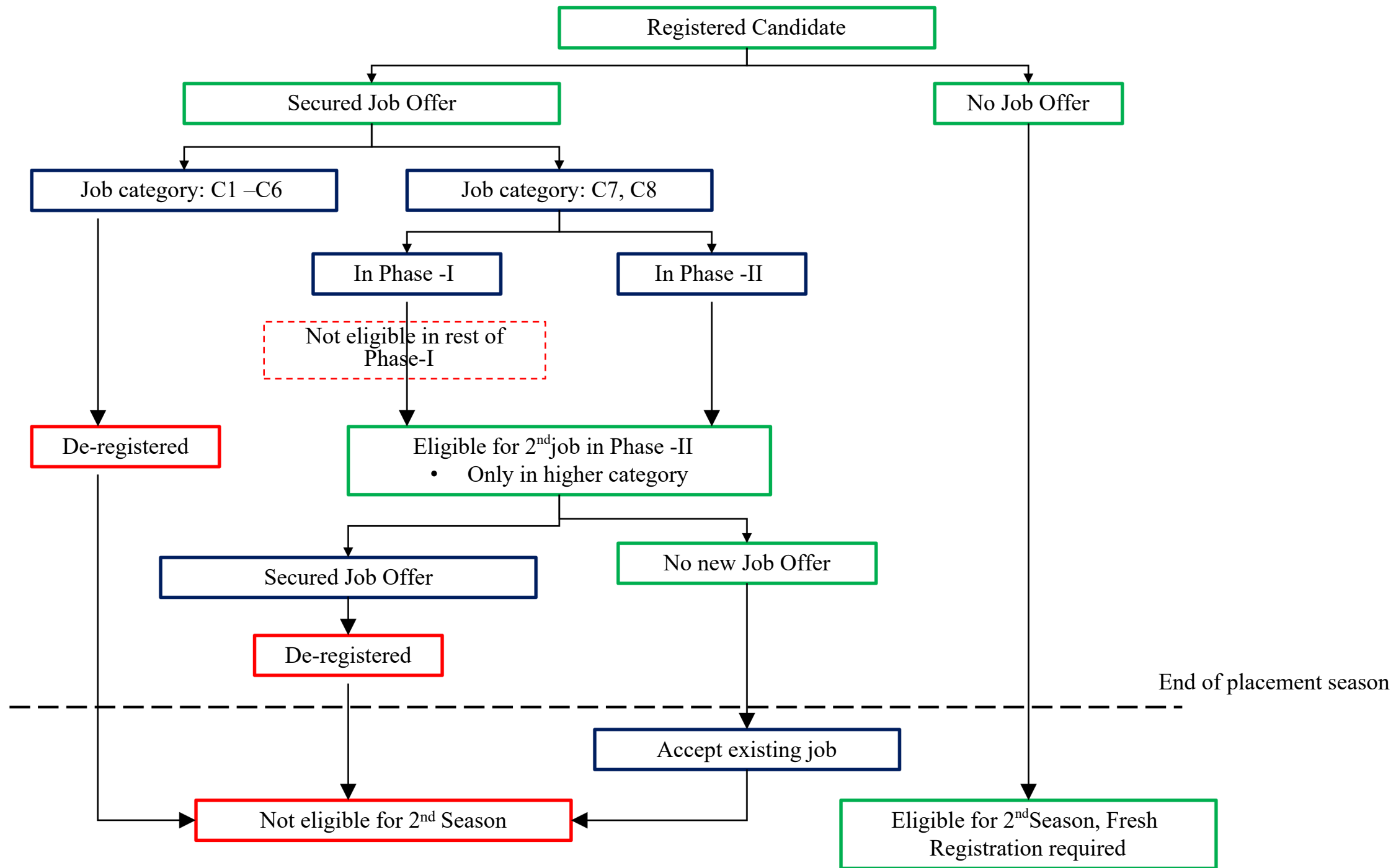
Job Policy

1. Shortlisting
 - Shortlisted for interview based on Resume, Aptitude test, Group discussion etc. (Generally, but not exhaustive)
2. Responsibility
 - Correct information in the resume
 - Must attend the Pre-Placement Talk
 - Must Appear for the Interview
3. Securing Job
 - Final Selection shortlist sent by an organization to the PO

**Refer to “Graded Penalty Structure”
section in the PhD Student Placement
Policy 2024-25**

Is there an opportunity for a better job?

Job Category	Gross Compensation Package	Eligibility for second job
C1 – C6	$LPA \geq 8$	No
C7, C8	< 8 LPA	Yes





Part 2

Resume Uploading Guidelines

Upload Resumes

RESUMES ARE YOUR FIRST AND ONLY IMPRESSION TO THE RECRUITER



Home



Resumes



Jobs



Walk-In



Applied
Jobs



Blog



Resumes



Let's get your resume uploaded.

You can't apply for jobs without a resume

Upload resume

SOPs



You know S.O.P is like a personal note to your dream company why you're applying.

Upload SOP

Activities

31 Schedule



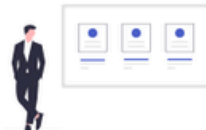
Follow the calendar diligently.

Stay updated with upcoming activities

My activities

Attendance

Jobs



Stay up to date with various job openings.

Keep track of your applications.

View Jobs

Applied Jobs

Walk-in Jobs

Slots and preference



Stay updated with company slots.

Don't forget to fill your preferences

Company slots

My Preferences

Useful links

- Placement Policy 2026-27
- Placement Statistics 2023-24
- Frequently Asked Questions
- Query Portal

Upload Resumes

1. Don't insert Contact Information in the resume
2. Maximum 5 Resumes
3. 2 Long header and 3 Short header Resumes can be uploaded
4. You are advised to create more than one resume

The screenshot displays the 'Your Resumes' portal with a sidebar navigation menu including Home, Resumes, Jobs, Walk-In, Applied Jobs, and Blog. The main content area is divided into several sections:

- Margin dimensions details:** Includes links for 'Margin dimension details', 'Resume verification portal guidelines', and 'Resume proof verification protocols'.
- Upload Pointers for Verification:** A section stating 'Resume won't be verified till these pointers are verified' and 'Include proofs/pointers for all the details included in the resume. It is mandatory to get each and every points, subpoints verified.' It features 'View Pointers' and 'Add New Pointer' buttons.
- Margin dimensions:** A table listing dimensions: 1. Top (Short header) : 53.09 mm, 2. Top (Long Header) : Not available, 3. Bottom : 6.4 mm, 4. Left : 14.11 mm, 5. Right : 14.11 mm. A diagram shows a resume layout with red dots indicating these margin points.
- Resumes(0/5):** A section with an illustration of a person uploading a resume, stating 'Let's get your resume uploaded' and 'You can't apply for jobs without a resume', with an 'Upload resume' button.
- Instructions for uploading resume:** A detailed guide on the right side of the interface, including:
 - File type:** The resume must be converted into PDF file before uploading. The size of the file can be maximum upto 20 MB.
 - Resume Slots:** After uploading, you can view your resume here. It is not necessary to fill all the resume slots. Only if you want to use a different resume then upload it in a different slot. You can upload a maximum of 5 different resumes. In general, 1 page resume is created for non-technical firms and 2 page resume is created for technical firms. First 3 slots have short header, last 2 slots have long header. In general, short header is used for 1 page resume and long header is used for 2 page resume.
 - Formatting:** The page size must be A4 as it is a standard convention. Margins for header from all four sides of the page have been mentioned on the left hand side. It is recommended that you use the margins given aside for a well formatted resume. However you are free to make any changes as per your interest. Margins for header on left, right and bottom are fixed for all resume. The margin on top will depend upon qualification details of an applicant and type of header (short or long). It is recommended to keep font size as minimum of 10 pts so that text can be read easily and maximum of 12 pts to maintain visual aesthetics. You can choose to use which ever font size seems appropriate to you.

Upload Resumes

Modified dimension

**Prepare Resume following
this DIMENSIONS**

Values would be different
based on your specific
information

The screenshot displays the 'Your Resumes' dashboard on the left and a resume template on the right.

Your Resumes Dashboard:

- Header:** Your Resumes
- Navigation:** Home, Resumes, Jobs, Walk-In, Applied Jobs, Blog.
- Actions:** Margin dimension details, Resume verification portal guidelines, Resume proof verification protocols.
- Upload Pointers for Verification:** Resume won't be verified till these pointers are verified. Include proofs/pointers for all the details included in the resume. It is mandatory to get each and every points, subpoints verified. (View Pointers, + Add New Pointer)
- Resumes(0/5):** Let's get your resume uploaded. You can't apply for jobs without a resume. (Upload resume)

Margin dimensions:

The margin on top is dependent on the qualification details of the applicant. It will be displayed correctly after you fill your qualification details.

Pointer	Dimension
1. Top (Short header)	53.09 mm
2. Top (Long Header)	Not available ⓘ
3. Bottom	6.4 mm
4. Left	14.11 mm
5. Right	14.11 mm

Resume Template:

- Header:** Instructions for uploading resume
- File type:**
 - The resume must be converted into PDF file before uploading
 - The size of the file can be maximum upto 20 MB
- Resume Slots:**
 - After uploading, you can view your resume here
 - It is not necessary to fill all the resume slots. Only if you want to use a different resume then upload it in a different slot. You can upload a maximum of 5 different resumes
 - In general, 1 page resume is created for non-technical firms and 2 page resume is created for technical firms
 - First 3 slots have short header, last 2 slots have long header. In general, short header is used for 1 page resume and long header is used for 2 page resume
- Formatting:**
 - The page size must be A4 as it is a standard convention
 - Margins for header from all four sides of the page have been mentioned on the left hand side. It is recommended that you use the margins given aside for a well formatted resume. However you are free to make any changes as per your interest
 - Margins for header on left, right and bottom are fixed for all resume. The margin on top will depend upon qualification details of an applicant and type of header (short or long)
 - It is recommended to keep font size as minimum of 10 pts so that text can be read easily and maximum of 12 pts to maintain visual aesthetics. You can choose to use which ever font size seems appropriate to you
- Footer:**

Resume Sections

1. Create pdf file for resume following the **proper margins**
2. **Header details** are fetched **automatically** if your profile is edited and saved
3. Short header + Matriculation + Intermediate = Long Header

Short header



Systems & Control Engineering
Indian Institute of Technology Bombay

Ph.D.
Gender: Male
DOB: 07/07/1989

Examination	University	Institute	Year	CPI / %
Doctorate	IIT Bombay	IIT Bombay	2023	8.17
Post Graduation	Kerala University	CET, Trivandrum	2014	8.58
Post Graduation Specialization: Guidance and Navigational Control				
Graduation	Mahatma Gandhi University	SJCET, Palai	2011	73.95%
Graduation Specialization: Electrical and Electronics Engineering				

AREAS OF INTEREST

Control Systems | Modelling & Stabilization | Controller design | NMR radio-frequency design | Quantum control

THEME OF DOCTORAL RESEARCH

Focus on the field of linear, bilinear, and quantum control.

Guide: Prof. Navin Khaneja, Systems and Control Engineering (SYSCON), IIT Bombay

(Jan'18 - present)

Pointer Verification

Upload Pointers for Verification

Resume won't be verified till these pointers are verified

Include proofs/pointers for all the details included in the resume.
It is mandatory to get each and every points, subpoints verified.

[View Pointers](#) [+ Add New Pointer](#)

< All Verified Pending Rejected Ar >

Section Title

Title *

All pointers related to the heading mentioned in the resume *

Comments (If any)

Upload the proof document here

Committee * Member

Upload a file

Save Cancel

1. Select Placement Office as the “Committee” for any proof having documents
2. Don't make any claims unless you have a proof for it to show (unless it's a skill like coding or time management)

Please Note...

- **Check your resume along with headers after uploading resume**
- Add a pointer for all educational details submitted in profile - Submit all proofs in a single PDF
- Make Pointers for every single section - Submit all proofs in a single PDF for each pointer
- Only after resume and all the points are verified, the candidate profile gets active and the student will be able to apply for JAFs.
- It is advised to upload your resume and proofs within next 2 days.
- Upload all proofs in English; in case of exception, the document must to be supplemented by a English Translation



Part 3

Building an effective PhD resume

By

Dr. Arjun Upadhyay

PhD IITB

Process Engineer, Lam Research

1. The placement problem

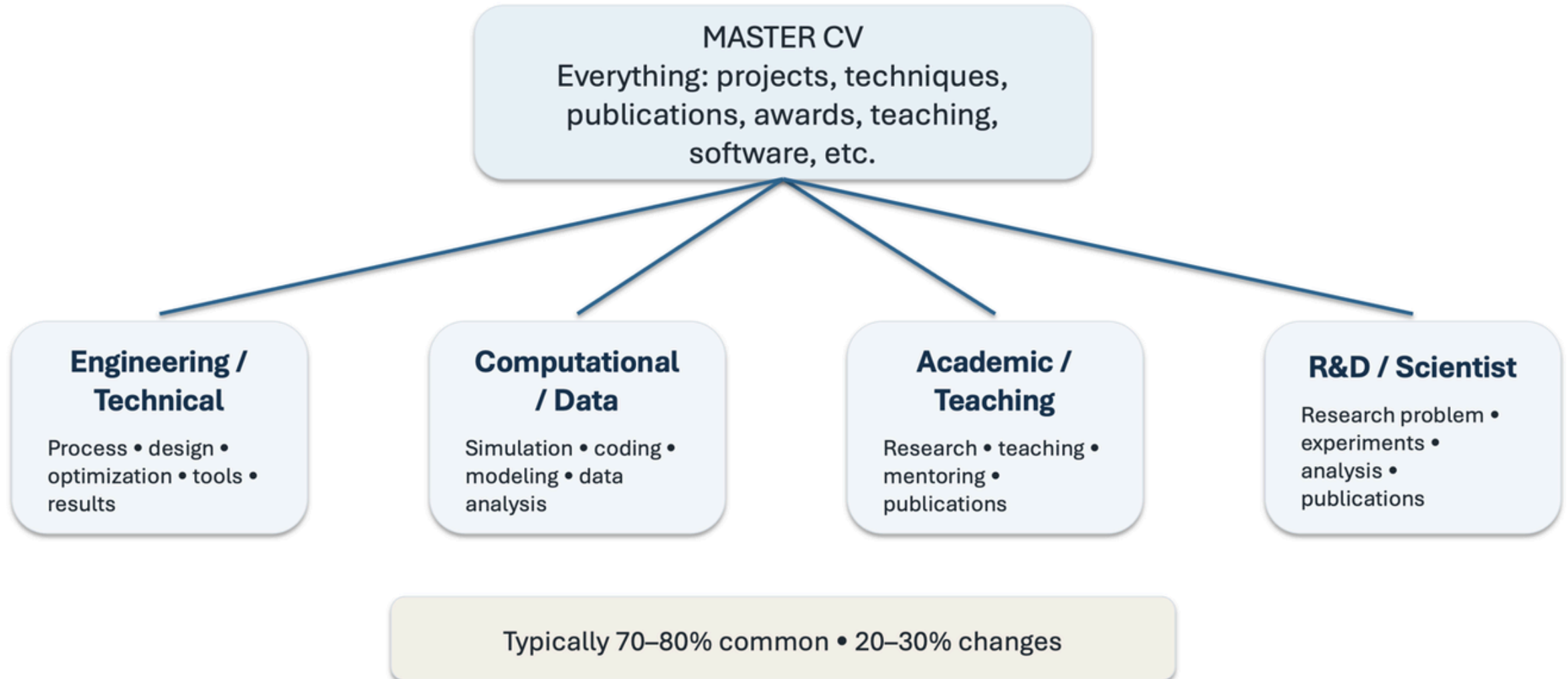
Resumes are uploaded BEFORE
recruiter JDs are available.

Later, companies arrive with very
different requirements.

Therefore: one generic resume is usually not enough.

Prepare 3–4 role-based resumes in advance.

2. Build a resume portfolio



3. Same PhD, different resume

Hypothetical PhD example: thin-film semiconductor / solar-cell research

THE SAME PHD EXPERIENCE

PhD research: fabricated thin-film semiconductor devices, varied deposition/annealing conditions, and studied how processing affected electrical and optical performance.

R&D / SCIENTIST

Investigated the relationship between thin-film microstructure and device performance using controlled fabrication experiments and electrical/optical characterization; developed a mechanistic understanding of performance degradation under different processing conditions.

PROCESS / DEVICE ENGINEERING

Optimized thin-film deposition and annealing conditions through systematic process experiments, identifying process parameters that improved device performance and reproducibility across fabricated samples.

Same experiments • Same PhD • Different story about what you can contribute

4. Don't describe activities — show capability

✗ Activity-oriented

Worked on synthesis and characterization of semiconductor materials.

Performed XRD, SEM and Raman characterization.

Studied the effect of temperature on material properties.

✓ Capability-oriented

Synthesized semiconductor materials and systematically characterized their structural and optical properties using XRD, SEM and Raman spectroscopy, correlating processing conditions with material performance.

Ask: What does this experience prove I can do?

5. A simple formula for strong bullets

ACTION

WHAT

HOW

RESULT / IMPACT

Weak:
Studied battery degradation.

Better:
Investigated battery degradation under different
cycling conditions using electrochemical
characterization techniques.

Use real numbers only. No invented impact.

6. What to show — and what to question

SHOW

- Problems you solved
- Technical skills you actually use
 - Important results
 - Projects you owned
 - Relevant publications
- Collaboration / leadership
- Quantitative evidence where available

QUESTION / REMOVE

- Long thesis descriptions
- Every instrument you've touched
 - Huge software lists
- Routine experimental steps
 - Every minor project
- Complete publication history
- Generic claims like “hardworking”

Rule: If you list a skill, be ready to discuss a project where you used it.

Framing doctoral research and technical expertise into high-impact accomplishments

1. Lead with the result, not the topic
2. Formula: accomplished X, measured by Y, by doing Z
3. Always give a baseline ("62% → 76%", "vs. state of the art")
4. Present the PhD as a job: a multi-year project you owned and delivered
5. Replace jargon with what the method does; name tools as keywords
6. Publications: 2–3 as evidence of delivery, not a list
7. Show soft skills inside bullets (mentored 4, led 3-lab collaboration)
8. Every number must have proof on the portal

Common to all: scale of work, resources saved, adoption by others, funding, patents

Customizing profiles for specific corporate, R&D, academia and consulting roles

1. Keep one master list of accomplishments with proofs
2. Read the job description; mirror its 5–6 repeated skills in the top third
3. Reorder, don't rewrite: most relevant bullets first
4. Reframe each project's first line for the audience
5. *Corporate*: "cut simulation time 40%"
6. *R&D*: "new method outperforming the standard approach"
7. *Consulting*: "structured an open problem, delivered a recommendation"
8. Rename sections: Research Experience → Projects → Leadership & Impact
9. Use the five portal slots: short header for 1-page, long header for 2-page
10. Reframing is fine; new unverified claims are not

Examples



We can't show this page

Try refreshing the page and make sure you're logged in to the correct Canva account. If the page still doesn't load, try again later or [go to home](#).

Error: 403 • Ray ID: a44db57e2f127abe-iAD



[REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

- Research
- Machine Learning and Artificial Intelligence
- Finance

- ## Summary of Qualifications

- Experienced in parameter estimation and statistical modeling techniques applied to complex systems.
- Acquainted in coding in python and mathematica and associated packages like numpy, scipy, pandas, matplotlib, Pytorch and Tensorflow .
- Acquainted with various machine learning, artificial intelligence, deeplearning, and optimization techniques.
- Strong communication and technical writing skills, evidenced by peer-reviewed publications.

- ## Education

[REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]
 [REDACTED]

• Programming languages	Python, C++, QBasic, ROOT
• Libraries Softwares	Numpy, Scipy, Matplotlib, pandas, yfinance, scikit-learn, TensorFlow, Keras, PyTorch, Streamlit Mathematica, Jupyter, L ^A T _E X, MS office

- ### Academic Merits

- Proficiency Medal for the best M.Sc. project thesis in Physics, Thesis title: Quantum walks and quantum games.
- All India rank 148 out of 7263 candidates (97.98 percentile) in Joint Entrance Screening Test (JEST)- 2020.
- All India Rank 85 (99.713 percentile) in CSIR-NET JRF (December)- 2019.
- Ranked 11,091 (in top 1%) out of 15,00,000 candidates in Joint Entrance Examination (IIT-JEE) - 2013.

- ## Publications

- Metrology in the Presence of Thermodynamically Consistent Measurements, M.Vetrivelan, A.Panda and S.Vinjanampathy, [PRA 109.5 \(2024\): 052610](#).
- Nonideal measurement heat engines, A.Panda, F.Binder and S.Vinjanampathy, [PRA 108 \(6\), 062214](#).
- (Selected for editors choice)
- Order from chaos in quantum walks on cyclic graphs, A.Panda and C.Benjamin, [PRA 104.1 \(2021\): 012204](#).

- ### Other Scholastic Achievements

- Our team (5 members) won the TCS Quantum Computing Challenge (2023-24).
- Our team (2 members) secured rank within top 50 (out of 727 teams participated) in the coding challenge at QHack 2024 (a online global hackathon challenge) by Xanadu in Canada.
- Honorable mention by the Microsoft team in the QRISE 2024 challenge.
- Our team secured 5th rank (out of 21 team participated) in Mphasis Quantum Computing Challenge (2023) held in inter IIT Tech Meet 13.0.
- Was among the top 20% of teams in Worldquant International Quant Championship 2025.

- ## Courses certification

- Machine Learning specialization, Stanford University, Coursera
 - Acquired hands-on experience in implementing supervised and unsupervised machine learning models
 - Developed a strong foundation in data analysis, feature engineering and model evaluation, enabling the ability to derive actionable insights and make data-driven decisions.
- Summer of Quant, Institute technical council, IIT Bombay
 - Acquired hands-on experience in financial markets and derivatives.

- Machine Learning specialization, Stanford University, Coursera
 - Acquired hands-on experience in implementing supervised and unsupervised machine learning models
 - Developed a strong foundation in data analysis, feature engineering and model evaluation, enabling the ability to derive actionable insights and make data-driven decisions.
- Summer of Quant, Institute technical council, IIT Bombay
 - Acquired hands-on experience in financial markets and derivatives.

- Cut the academic bulk: four pages became one by dropping research narratives, coursework lists, references and early scholarships.
- Translated the PhD into finance language: quantum metrology became "parameter estimation and statistical modeling of complex systems", with no physics jargon.
- Used publications as proof of skill: the PRA papers (one an editors' choice) are cited as evidence of rigor and technical writing, not as physics results.
- Led with a finance-ready tool stack: Python first, plus pandas, scikit-learn, PyTorch, yfinance and Streamlit in place of quantum simulation packages.
- Added direct finance evidence: WorldQuant championship (top 20%), Summer of Quant at IIT Bombay, and the Stanford ML specialization.
- Gap to fix: there is no finance or ML project with a concrete result, the wording is weak ("acquainted with").

A strong industry resume for quantum tech, ML research and software roles.

Education

Research

Realizing Long-Lived Bosonic Encodings

RESEARCHER; MENTORS: **PROF. WILLIAM OLIVER**¹, MAX HAYS

EQus, MIT¹
August 2021 - PRESENT

Growing experimental bosonic QEC code effort towards reliable quantum information processors, primarily using **Python** and **JAX**.

Qiskit Advocate¹

OPEN SOURCE DEVELOPER

IBM Qiskit
June 2020 - PRESENT

After completing the **Qiskit Community Summer Jam**, **IBM Qiskit Global Summer School 2020**¹, and open-source contributions to Qiskit, I was made a Qiskit Advocate. I have also developed the PyPI package **qtcode**¹ (Qiskit Topological Codes) for surface codes.

Fast Universal Control of an Oscillator with Weak Dispersive Coupling to a Qubit¹

QuLab, Yale University¹
August 2019 - January 2021

RESEARCHER; MENTORS: **PROF. MICHEL DEVORET**¹, ALEC ECKHART

I co-wrote the Echoed Conditional Displacement package to achieve universal quantum control of a weakly coupled cavity-transmon system using large phase space displacements and demonstrate bosonic QEC such as the GKP code. ECD is complete with **Tensorflow** GPU acceleration, Adam optimizer gradient descent, and tSNE data analysis. I also benchmarked ECD on HPC clusters, developed MLE tomography tools and simulated pulse performance under experimental dissipation. Manuscript [[arXiv:2111.06414](#)]¹ in review.

Sub-Terahertz Quantum Cascade Laser Transceivers

RESEARCHER; MENTORS: **PROF. FEDERICO CAPASSO**¹, MARCO PICCARDO, DMITRY KAZAKOV

Harvard University¹
May 2019 - August 2019

We explored ring QCLs, and developed frequency comb generation and synchronization in coupled quantum cascade lasers to achieve dualcomb spectroscopy and sub-terahertz wireless communications. Data capture, data analysis, and simulations using **MatLab** and **Python**. Co-authored paper in *Nature*¹ [[10.1038/s41586-020-2386-6](#)]. Harvard 2019 REU. Presented at **PhysCon 2019**.¹

Higher-Fidelity Measurement Models for Cavity QED Qubits¹

RESEARCHER; MENTOR: **PROF. STEVEN GIRVIN**¹

Yale Quantum Institute¹
Feb 2018 - May 2019

I aimed for higher SNR using an adaptive off-resonant readout & designed a nested MZ Interferometer setup leveraging counterfactual quantum phenomena. Ran **Monte Carlo Python simulations** using time-inhomogeneous Hidden Markov Models on HPC clusters.

Other Research

Yale | High School

- **Generation and Quantum Storage of Non-classical Photon Pairs**¹ | Prof. Dong-Sheng Ding, Uni. of Science & Tech. of China | 2018
- **Hybrid-Precoding of a Phased Array mmWave System**¹ | LabVIEW, C, Python | Prof. Robert W. Heath Jr., UTexas Austin | 2016
- **Inertial Motion Capture and Analysis towards Stroke Rehabilitation**¹ | MatLab, Python, C | Prof. Vikram Kapila, NYU | 2015

Experience

Boston Quantum¹

Co-FOUNDER

Cambridge, MA
January 2022 - PRESENT

MIT-founded enterprise software startup working to realize quantum advantage in finance. CDL Quantum, MIT Sandbox & Momentum.

Facebook, Inc.¹

SOFTWARE ENGINEER

Menlo Park, CA
May - Aug '20 (Intern), Jan - Sept '21 (FTE)

Full-time IC3 SWE on AI Infra Metadata, Privacy, & Security (**Hack/PHP, Python, SQL**). Portal Core Infra intern (**Java, React-Native**).

Yale Extracurriculars

New Haven, CT

YUQC FOUNDER/PRES., SOCIETY OF PHYSICS STUDENTS BOARD, PHYSICS TA, ROTARACT PRES., VOLUNTOKEN CTO

September 2017 - June 2021

- Founded/led the **Yale undergrad Quantum Computing group**¹ as well as the **Quantum Coalition**¹ (an intercollegiate collaboration), hosting talks and QC Hack 21 with 1.5K participants, creating open source projects, and building an undergrad QC community.
- On Yale SPS, I organize events for faculty and peers across the US, while serving as a **peer mentor**¹. Founded Yale Sigma Pi Sigma.
- Taught students MCMC Ising Model simulation as a **Teaching Assistant** for Advanced Physics Lab (PHYS 382L, 2020).
- Spearheaded YR's international impact: BioSand Water Filters in India, 53K USD fundraised COVID-19 Relief to Rohingya Refugees.
- Co-founded VolunToken; created apps using the Django & React Native frameworks. Funded by **Yale Tsai City Accelerator**¹.

Skills

Python, Julia, Java, MATLAB, C, Bash, Javascript, HTML/CSS, BfX, Mathematica
AutoDesk Inventor, AutoCAD, Ansys HFSS, Sonnet, Woodworking¹, Bloomberg Market Concepts, English, Hindi, Riddles, Sports

- Research is described by methods and tools, not only by topic. Each project names what he built and with what: TensorFlow GPU acceleration, Adam optimiser, Monte Carlo simulations, Hidden Markov Models, HPC clusters. This is exactly what the previous CV lacked.
- Tangible deliverables. He lists a published PyPI package (qtcodes), a co-written software package and a Nature paper, which a recruiter can verify.
- Real industry experience. A full-time software engineer role at Facebook and a co-founded startup show he can work outside a lab.
- Quantified leadership. A hackathon with 1.5K participants, 53K USD fundraised, and a founded student group.

JONATHAN REED

123-456-7890 | jonathan.reed@finance.ltd

New York, NY 10022
456 Park Ave, Apt. #10

EDUCATION

WORK EXPERIENCE

Goldman Sachs

Investment Banking Summer Analyst

New York, NY

Jun 2015 – Aug 2015

- Assisted with financial modeling and valuation analysis for a \$2.5 billion merger deal
- Conducted due diligence, including analyzing financial statements and preparing reports for senior management
- Created comprehensive PowerPoint presentations for client pitches, showcasing financial insights

BlackRock

Wealth Management Intern

New York, NY

May 2014 – Aug 2014

- Assisted portfolio managers by conducting in-depth research on equity and fixed income securities
- Compiled weekly reports on macroeconomic trends and market developments for client meetings
- Developed Excel models for portfolio performance tracking, improving efficiency by 20%

LEADERSHIP

NYU Investment Banking Club

Vice President

New York, NY

Sep 2013 – May 2016

- Organized and led workshops on financial modeling, valuation techniques, and Excel skills for over 100 members
- Built partnerships with top investment banks to host networking events, connecting students with industry professionals
- Mentored junior members, helping them secure internships and full-time roles in finance

NYU Financial Literacy Initiative

Founder and President

New York, NY

Oct 2013 – May 2016

- Founded a program to promote financial literacy among underprivileged high school students in NYC
- Created and taught a curriculum covering budgeting, saving, and investment fundamentals
- Raised \$10,000 through fundraising events, expanding the initiative to reach over 500 students

ADDITIONAL INFORMATION

Skills: Proficient in Mandarin, Intermediate in Spanish
Modeling: Completed Wall Street Prep financial modeling course covering valuation, M&A, and LBO modeling
Computer: Advanced in Excel, PowerPoint, CapitalIQ, Bloomberg Terminal
Certifications: CFA Level I Candidate, Bloomberg Certification
Interests: Running, Soccer, Chess, Photography

EDUCATION

SKILLS SUMMARY

- Languages:** Python, SQL, JAVA
- Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib
- Tools:** Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite
- Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code, IntelliJ IDEA
- Soft Skills:** Rapport Building, Strong Stakeholder management, People Management, Excellent communication

WORK EXPERIENCE

BUSINESS ANALYST INTERN | WS | LINK

January 24- March 24

- Streamlined data collection and reporting procedures, reducing processing time by 20% enhancing efficiency.
- Implemented process improvements and automation solutions, resulting in 15% increase in productivity.
- Collaborated with 3+ cross-functional teams to gather requirements, define project scopes, and ensure alignment with business objectives, fostering effective teamwork and project success.
- Produced 15+ comprehensive reports and presentations summarizing findings and recommendations, facilitating clear communication with stakeholders and driving actionable outcomes.
- Conducted in-depth market research and analysis, resulting in the identification of 10+ key trends and insights that informed strategic decision-making processes.

PROJECTS

Student Performance Prediction | LINK

December 23- February 2024

- Achieved a 96% accuracy rate in forecasting student academic performance by developing and deploying a machine learning model.
- Managed data integrity by handling missing values and encoding categorical variables, enhancing quality by 33%.
- Conducted experiments with both classification and regression algorithms to identify the most suitable approach.
- Identified and comprehended key factors influencing academic performance through thorough analysis.

Credit Card Fraud Detection | LINK

September 23- October 2023

- Developed and fine-tuned a logistic regression-based machine learning model achieving an 87% accuracy rate in predicting credit card fraud.
- Minimized false positives by 16% through rigorous feature engineering and hyperparameter tuning processes.
- Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.
- Successfully mitigated fraudulent transactions while optimizing model efficiency by 23% and accuracy by 6%.

Heart Disease Prediction | LINK

July 23- August 2023

- Orchestrated the development of a Logit model to predict heart disease, achieving an impressive accuracy rate of 91% and surpassing industry benchmarks.
- Spearheaded the implementation of HIPAA-compliant data encryption protocols across all healthcare solutions, decreasing data breach incidents by 40% and ensuring patient privacy and security.
- Demonstrated commitment to ethical data practices while contributing to the development of data-driven healthcare solutions.
- Enhanced healthcare outcomes by 26% through accurate prediction of heart disease, positively impacting patient well-being.

CERTIFICATES

Programming in Python (Meta) | CERTIFICATE

March 2023

- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.

Introduction to Data Analyst (IBM) | CERTIFICATE

March 2023

- Learned about the data ecosystem, including the ETL process and big data basics.
- Mastered data gathering, identification, and cleaning for analysis preparation.

Foundations: Data, Data, Everywhere(Google) | CERTIFICATE

March 2023

- Developed a comprehensive understanding of the data life cycle and various stages involved in the data analysis.
- Introduced to diverse applications designed to streamline and optimize the data analysis journey, enhancing efficiency and accuracy.

What PhDs can borrow?

1. **The bullet formula:** action verb, what was done, tool used, measurable result. For example, "Developed Excel models for portfolio tracking, improving efficiency by 20%."
2. **Thesis as projects.** The first resume lists each project with a title, dates and three or four bullets. A PhD can split the thesis into two or three such projects instead of one long research paragraph.
3. **Short bullets.** Every point is one or two lines, and each item has about three bullets, which is what a recruiter can scan.
4. **Grouped skills.** Languages, frameworks, tools and platforms sit on separate labelled lines, so a recruiter finds a keyword quickly.
5. **A separate leadership section with numbers.** The second resume shows "100 members", "\$10,000 raised", "500 students".
PhDs can do the same with teaching assistant duties, mentoring juniors, organising conferences or placement team roles.
6. **Field-specific signals.** The finance resume names CapitalIQ, Bloomberg, a modelling course and CFA Level I. One line like this tells the recruiter the candidate has prepared for that field.
7. **Order by relevance.** Experience and projects come before certificates and interests, all on one clean page.

Before you submit - Perform the following checks

- 1.Can I identify the target role immediately?
- 2.Are my strongest achievements visible within seconds?
- 3.Does every bullet start with a strong action?
- 4.Have I quantified wherever possible?
- 5.Does every number have context?
- 6.Are my projects showing outcomes, not just methodology?
- 7.Are my PORs showing ownership rather than titles?
- 8.Are the skills actually demonstrated elsewhere?
- 9.Does the resume match the JD naturally?
- 10.Is there anything here that I would struggle to defend in an interview?

Summary

1. Don't make one generic resume — prepare 3–4 role-based versions.
2. Don't write your thesis in your resume — translate it into capabilities.
3. Show what you did, how you did it, and what came out of it.
4. Prioritize relevance over quantity.
5. Never put anything you cannot defend in an interview.



Part 4

Interview Preparation and ATS Tracking

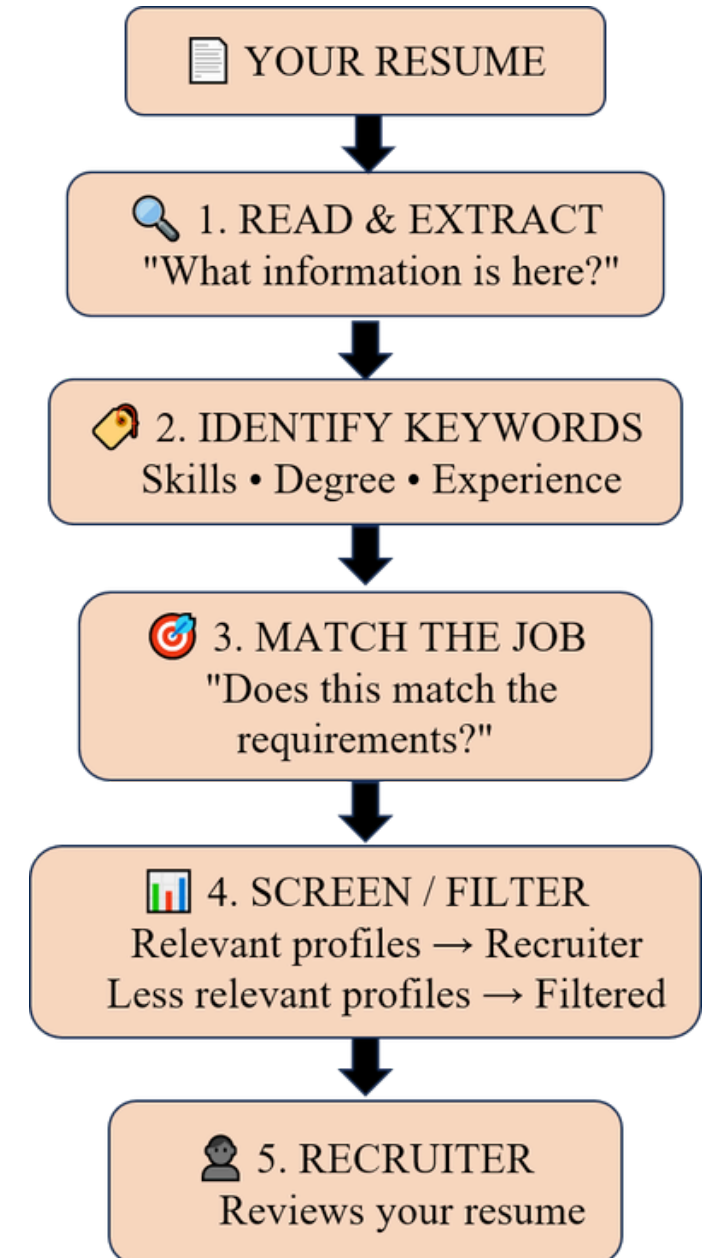


Application Tracking System (ATS)

How ATS reads your resume:

What is ATS?

Software used by organizations to screen and filter resumes before recruiter review.



Application Tracking System (ATS): Demo

Job Description

PhD candidates who have **submitted or are close to submitting their thesis in 2026**.

Candidates must hold an **M.Tech and PhD** in a relevant disciplines like Mechanical, Chemical Engineering etc

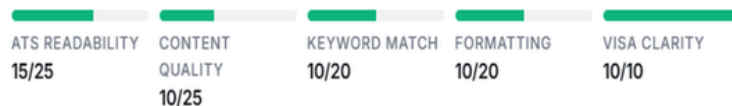
Specialization in one or more of the following areas:

- Fluid Mechanics
- Heat Transfer
- Computational Fluid Dynamics (CFD)
- Multiphase Flow
- Turbulence Modeling
- Combustion
- Compressible Flow
- Mass Transfer
- Numerical Methods & Simulation
- High-Performance Computing (HPC)

RESULT

Significant issues; needs major revisions.

Your resume needs serious work. We can rewrite it with AI in minutes.



Top issues we found

1 Contact Info in Header

CRITICAL

Contact info is in a non-standard format: '(+91) 7506832137 • me21s504@iittp.ac.in • linkedin.com/in/siddhesh-pujari-85367a142'.

2 Weak Bullet Starters

CRITICAL

Many bullets start with weak phrases: 'Developing a strong model to estimate the damping rate'. Start with strong action verbs.

3 Lack of Quantified Results

HIGH

Fewer than 50% of bullets contain quantified results. For example, 'Numerical study of sloshing using OpenFOAM' needs metrics.

4 Missing Core Keywords

HIGH

Keywords like 'Turbulence Modeling' and 'Combustion' are missing entirely. Include these in the Skills section.

5 Inconsistent Date Formats

MEDIUM

Dates are inconsistent: 'July 2021 - October 2024' vs. 'Jan 2025'. Standardize to one format.

6 No Clear Skills Section

MEDIUM

Skills are buried in text. Create a dedicated Skills section to highlight: 'Python, Pytorch, MATLAB, C++'.

7 Formatting Issues

LOW

Margins and spacing make it visually crowded. Adjust to improve readability.

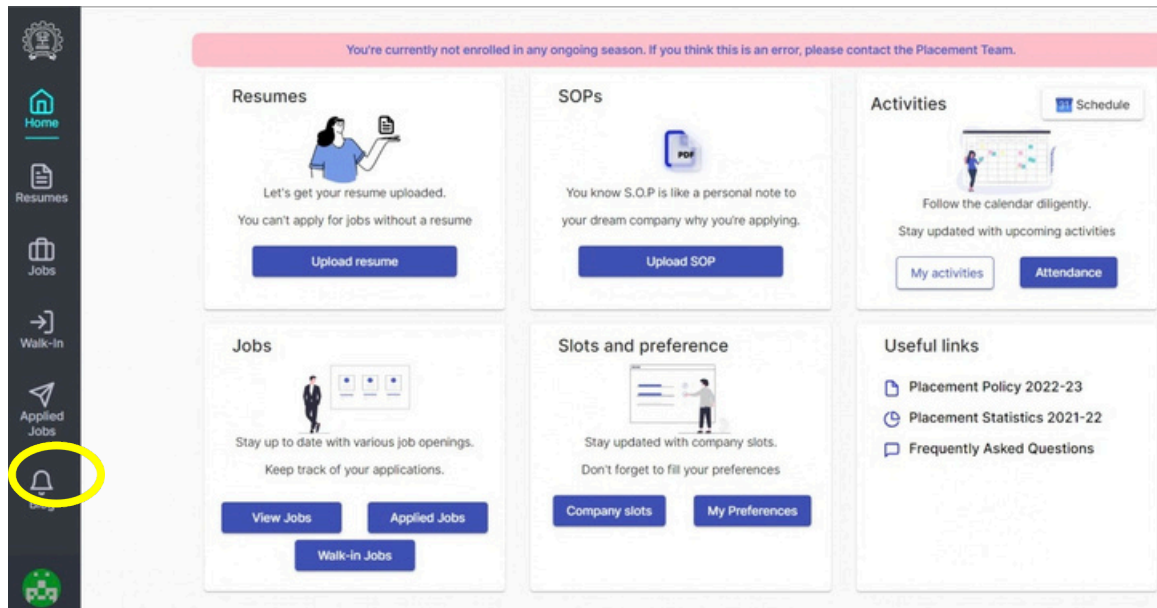
55

ATS SCORE

<https://jobhuntresumeai.com/#/scanner>

Channel of Communication

- <https://campus.placements.iitb.ac.in/>
- View Jobs – JAFs you are eligible to apply
- Navigate to **PhD Placement Blog**
- Blog Posting by team –subsequent stages of recruitment after applying One stop destination - Key documents, registration procedure, help tutorials etc.



Phd Placement Blog 2023-24

Deadline Extended: Career Opportunity at SIG

August 8, 2023
Off-Campus Job
Announcement
Leave a comment

Job Title: Quantitative Researcher Graduate

Eligibility:

1. Graduating PhD's (PhDs with completed Pre-synopsis may also apply, discretion of the organization)
2. IPDFs

[Home](#) [The Team](#) [Registration](#) [FAQs](#)

Search ...

Blogs

- [PhD Placement Blog 2022-23](#)
- [PhD Placement Blog 2021-22](#)

Thank You

Q & A