

Pursuing a Minor in **Artificial Intelligence** and **Data Science** offered by the CMinDs, IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Awarded AA grades in 11 courses for exemplary academic performance during first four semesters [2025]
- Secured **98.9** percentile in *IIT-JEE Advanced* examination among **0.18 million** candidates across India [2023]
- Secured **99.83** percentile in *JEE Mains* examination among **1.16 million** candidates across India [2023]
- Achieved **99.98** percentile in *MHT-CET 2023* examination among **0.63 million** candidates across India [2023]
- Qualified the prestigious **KVPY SA** examination conducted by IISc Bangalore across the nation [2022]
- Qualified **NTSE Stage 1** exam from the state of Maharashtra, conducted by MSCE Pune [2021]

PROFESSIONAL EXPERIENCE

AI/ML Intern | *IIFL Capital* [May '25 - Jul '25]

- Achieved **98.3%** Recall@3 and **97.7%** MRR by building a centralized RAG application using Azure OpenAI.
- Reduced API costs and latency via **Redis**-based caching, eliminating redundant requests and boosting performance
- Stored chunked document embeddings in remote PostgreSQL and managed raw PDF files through Azure Blob Storage.
- Developed a chatbot-style React frontend with multi-prompt support, enabling uploads and queries via custom APIs

POSITIONS OF RESPONSIBILITY

Web Nominee | *Student Mentorship Programme (SMP), IIT Bombay* [Jul '24 - Present]

- Designed and developed the official SMP website, serving 5,000+ students, with a strong focus on intuitive navigation
- Built a responsive website using React.js, optimizing rendering performance to deliver a seamless, engaging experience

Department Academic Mentor | *Student Mentorship Programme, IIT Bombay* [Feb '24 - Present]

- Selected to be a part of a **12** membered team through a process involving extensive interviews and peer reviews
- Guiding **8** sophomores in their academic, personal and co-curricular pursuits by providing them with credible counsel

KEY PROJECTS

Fashion Recommendation System | Summer of Code | WnCC, IIT Bombay [May '24 - Aug '24]

- Recommends visually similar fashion products for a given input. Used a dataset of about **45,000** images to recommend.
- Used *Transfer Learning* to recommend visually similar objects using feature extraction and made a web app
- Developed an intuitive and responsive user interface for the web app, enhancing user engagement and providing a seamless experience for users to browse and find fashion recommendations easily, by implementing features such as

Equity Research Competition | Rural Electrification | Finance Club, IIT Bombay [Sept '24 - Present]

- Conducted equity research on *REC*, analyzing **market trends**, performing **SWOT analysis** and **DCF valuation**
- Created a comprehensive presentation, summarizing key findings, analysing **players in the market**, their **different ratios**, **overall market trends** and **future prospects** that facilitated informed decision-making in

Fiscal Imbalances and Debt Burden: The Indian Experience | Course Project [Jan' 25 - Apr '25]

- Analyzed India's **fiscal imbalances**, focusing on revenue streams, expenditure patterns, and debt financing mechanisms
- Compared 1991 BoP crisis with COVID-19 fiscal responses, highlighting shift from reforms to borrowing-led strategies
- Evaluated debt sustainability using **Domar's condition** and proposed fiscal consolidation for economic stability.

Supply Chain Analysis of McDonald's | SOM101 | *Course Project - Prof. Mayank Pareek* [Jan '24 - Apr '24]

- Visited multiple McDonald's locations to conduct a **comprehensive supply chain analysis** by asking a detailed questionnaire to store managers. Questionnaire focused on **supplier selection**, **logistics operations**, and other
- Conducted a comprehensive analysis of the strengths and weaknesses of the current supply chain, assessing their impact on overall operational efficiency, and functioning, and proposed targeted solutions to address identified shortcomings.

TECHNICAL SKILLS

Programming:	C/C++, Python, JavaScript
Development:	HTML, CSS, Bootstrap, React, Node.js, Flask, Django, PostgreSQL
Data Science:	Pandas, NumPy, SciPy, Scikit-Learn, TensorFlow, OpenCV, Seaborn, Matplotlib
Other:	L ^A T _E X, Adobe Photoshop, Adobe Premiere Pro, Arduino IDE, Fusion 360, LaserCAD, Canva, Blender

EXTRA-CURRICULAR ACTIVITIES

- Achieved **first** position in the Economics Department Cricket League, organized by the student body. [2025]
- Completed a year-long course in **Volleyball** under **National Sports Organization (NSO)**, IIT Bombay [2024]
- Reached the **Semi-Finals** of the **Mixed Cricket League**, an open league of the institute organized by [2023]
- Represented Hostel 1 in Volleyball matches for Freshiesta Tournament, organized between freshers' hostels [2023]