



Aditya Wankhade
Metallurgical Engineering and Materials Science
Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
DOB: 5/6/2002

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	

Chartered Financial Analyst Level 1 Candidate (November 2022) by the CFA Institute, United States of America
Pursuing a **Minor** Degree in **Artificial Intelligence & Data Science** by **C-MInDS** Department, IIT Bombay | **CPI: 10**

SCHOLASTIC ACHIEVEMENTS

- Currently ranked **2nd** among **140+** undergraduate students in Metallurgical Engineering Department, IIT Bombay ['22]
- Awarded the Governor's **Gold Medal** for securing **97.80%** as a school topper in the ICSE Board Examinations ['18]
- Secured **All India Rank 929** in the JEE Mains exam and ranked in the top **1.8 percentile** of the JEE Advanced exam['20]

PROFESSIONAL EXPERIENCE

Fractal Analytics | Data Analyst | Mumbai [May'22- Jul'22]

Received **Letter of Recommendation** from the Project Head for notable contribution during the course of the Internship

- Part of the AI Scale and Machine Vision team focused on using **AI** and **Machine Learning** to tackle unstructured data
- Developed a **Search Engine** based on a **BM25** retriever model capable of answering questions on PDF and text files
- Employed an **AI Assistant** using **Facebook's BART** language model to act as a conversational interface for the engine
- Used the model to generate **automated answers** for queries on **20+** company policy documents and annual reports

i9 Innovations | Core Team Member | Mumbai [Aug'21- Oct'21]

A Healthcare IT Company tasked with developing the Hospital Management System of the BKC COVID Centre

- Part of the team responsible for collection and analysis of data pertaining to **resources** for **1000+ COVID patients**
- Developed **strategies** and **workflows** for efficient utilisation of hospital beds, medical resources and oxygen supply

KEY PROJECTS

The Enron Investigation Project | Course Project | Prof. Biplob Banerjee [Apr'22- May'22]

A **technical analysis** of the financial scandal involving Enron Corporation, an American energy company in 2001

- Analysed a dataset of **500K+** company emails and financial records of **144** employees to identify persons of interest
- Used a Decision Tree model to find **leading indicators** of fraud & achieved a **92%** accuracy in classifying employees

Option Pricing Models & Their Accuracy | Research Project | FinSearch, Finance Club IIT Bombay [Jun'22- Present]

Leading a 4-member team, aiming to perform a qualitative and quantitative analysis of different option pricing models

- Explored the applications of **Black-Scholes** and **Binomial Tree** models for predicting European and American options
- Implemented python code for calculating the Implied market volatility and **Option Greeks** from given options data

POSITIONS OF RESPONSIBILITY

Department Academic Mentor | Student Mentorship Program, IIT Bombay [May'22- Present]

Part of a team aiming to play a facilitative, supportive and developmental role for **140+** students of MEMS department

- Among the **34** mentors, selected from **95 applicants** on the basis of peer reviews and a rigorous interview process
- Mentoring **6 sophomores**, catering to their academic and co-curricular needs, helping them achieve overall stability
- Part of a **10-member** team, responsible for organising informative discussions on **career opportunities** for students

Institute Sports Convener | Institute Sports Council, IIT Bombay [May'21- Apr'22]

Among the **26** selected from **150+** applicants, responsible for ideation and execution of all sporting activities in the institute

- Conducted the Aavhan Online Chess Open with a prize fund of **INR 0.15M** and **900+** participants from **7 countries**
- Organised the **Mixed Cricket League**, aimed at popularising cricket among **girls** with a participation of **80+** girls
- Executed Fit India Movement's **Freedom Run 2.0**, a nationwide marathon witnessing a participation of **150+** students

EXTRA-CURRICULAR

Sports	<ul style="list-style-type: none">Played National Level Cricket in the U-15 age group at the All India ICSE Schools Meet, 2016-17Awarded Player of the Tournament for exceptional performance in an U-16 Cricket TournamentCaptained school cricket side to the 1st place at the DSO Cricket Tournament amongst 64 schoolsRepresented IIT Bombay Cricket Team at the Seth GSMC Inter-College Cricket Tournament, 2022
Social	<ul style="list-style-type: none">Served as a Treasurer, handling funds of INR 40K for the junior social body of the Rotaract ClubOrganised an internet & social media awareness campaign for 90+ inmates of an old age homeMentored 15 students from underprivileged backgrounds for JEE and other exam preparations
Cultural	<ul style="list-style-type: none">Bagged the 1st place for solo instrumental guitar performance at Odyssey, a youth cultural festivalPart of an Indie pop band, the <i>Strings</i> and played as a guitarist at various events and local clubs
Other	<ul style="list-style-type: none">Contributed in setting the Guinness World Record for the Largest AI Programming LivestreamHandled the Instagram page of IITB Cricket posting reels and engaging content with 30K+ views