



Suyash Gahankari
Mechanical Engineering
Indian Institute of Technology Bombay

22B0426
B.Tech.
Gender: Male
DOB: 21/02/2004

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2026	

Pursuing a Minor in **Artificial Intelligence and Data Science** under C-MInDS, IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Holding **Department Rank 5** in a batch of 200+ students | Achieved SPI of **10/10** in the 4th semester ('24)
- Secured **Branch Change** in Mechanical Engineering due to excellent academic performance in first year ('23)
- Received **AP grade** (Academic Proficiency) in Mechanical Processing of Materials course awarded to 3 out of 200+ students and Achieved an **AA grade** (10/10) in **18** courses spanning diverse disciplines undertaken ('24)

PROFESSIONAL EXPERIENCE

Ernst & Young (EY) | *IT Consultant* (May'24 - Jul'24)

- Worked closely with the Maharashtra **CM Office** to formulate a detailed plan of action for Government GPT
- Ideated a comprehensive plan of action covering every aspect for the development of a **multilingual chatbot**
- Implemented a multilingual chatbot solution capable of reading and responding to **Marathi documents**, leveraging the powerful features of **LangChain framework** and integrating it with **Cohere embeddings**

KEY PROJECTS

Bruce Henderson Ideathon Challenge | *Boston Consulting Group* (Mar'24 - Apr'24)

- Represented IIT Bombay as one of the **3 teams** in **national semifinals**, selected from over **1700+ applicants**
- Ideated and developed a **business model** for an **AI-powered farming advisory app** tailored for Indian farmers, encompassing market size evaluation, market entry strategy formulation, and detailed competitor analysis
- **Pitched** the business model presentation to **Boston Consulting Group** panelist during the national semifinals

Text-Conditioned Image generation | *Seasons of Code (SOC'24)* (Jun'24 - Present)

- Implemented **Logistic Regression** with an accuracy of **0.9** and **Unet** architecture in **PyTorch** from scratch
- Implemented **DDPM paper** to generate **unconditioned images** on **MNIST** dataset, achieving **low loss** rates
- Implemented the **latent diffusion** model from scratch for unconditional image generation on **celebHQ** dataset

Quantitative Finance- Options Pricing Model | *Winter in Data Science* (Dec'23 - Jan'24)

- Studied basics of **Options Theory**, gaining an in depth knowledge of fundamental concepts in options trading
- Implemented and researched about the **Black Scholes** and **SDE-Heston** option pricing model in Python
- Backtested Black-Scholes Model & **Monte Carlo Simulations** in **Python** to predict options prices of Nifty 50

Sector Analysis | *Data Analytics and Visualization Team* (Aug'23 - Nov'23)

- Researched **market growth** trends for **11k+** companies listed on NASDAQ and BSE across diverse sectors
- **Scrapped** data from internet and classified companies based upon their **IPO Dates** and **Operating Sectors**
- Analysed the **variations** of the growth of companies with their **Market age**, **Inflation** and **GDP per capita**
- Analysed the average **Revenue per Employee** of companies (private and public) belonging to different sectors

POSITIONS OF RESPONSIBILITY

Technical Team Member | *Data Analytics and Visualization Team, IIT Bombay* (Jun'23 - Jun'24)

Part of a team of 12 selected among 200+ applicants under Institute Academic Council

- Actively collaborating with different student bodies and startups within and outside institute for relevant projects
- Proficiently acquiring data through **web scraping**, transforming it into a analyzable format for sector analysis
- Executed a comprehensive course feedback survey to assess and ascertain suitability of courses for **5k+** students

Seasons of Code Mentor | *Web and Coding Club* (May'24 - Present)

- Co-mentoring and guiding group of 10 students on a coding based project: **A Guided Tour to PyTorch**

Winter in Data Science Mentor | *Analytics Club* (Dec'23 - Jan'24)

- Co-mentored and guided **15** students on the project **Intro to Deep Learning and Basic Applications**

EXTRACURRICULARS

- Secured **1st position** for school in District level Basketball team competition organized by DSO, Raigad ('16)
- Successfully completed one year training of **Badminton** under National Sports Organisation, IIT Bombay ('22-'23)
- Explored **algorithmic trading** strategies as part of AlgoBulls Quant Quest organised by Analytics Club ('23)
- Completed a Learner's Space course on **Excel and SQL for Big Data Handling** and **Python for DS** ('23)