



Mohit Kedia
Electrical Engineering
Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
DOB: 11/28/2002

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

Pursuing a **minor** in **Artificial Intelligence and Data Science** from C-MInDS Department , IIT Bombay.

SCHOLASTIC ACHIEVEMENTS

- Awarded a change of branch (**top 8.5%** students) for exemplary academic performance; secured **11 AAs** till date (2022)
- Recipient of the coveted **KVPY** fellowship awarded by the Government of India to **top 1%** of applicants (2019)
- Selected as a **Teaching Assistant** for **Basics of Electricity and Magnetism** based on the proficiency in the subject (2022)

POSITIONS OF RESPONSIBILITY

Institute Internship Coordinator | *Institute Placement Team, IIT Bombay* (Jun'22 - Present)

Part of **24-member** team entrusted with streamlining the internship process as a liaison for **2000+** students and **300+** recruiters

- Building and fostering relations with executives across **250+** firms and professors across **50+** renowned universities
- Targeting a **20%** y-o-y increase in internship opportunities by analyzing historical statistics and increasing targeted contacting
- Coordinating with **100+** universities globally to procure opportunities to increase international student research participation

Institute Academic Coordinator, Career Cell | *Undergraduate Academic Council* (Jun '21 - Apr '22)

Selected among 12 out of 150+ applicants after rounds of rigorous interviews, addressing the queries of 4500+ undergraduates

- Organized **Learners' Space** - an online summer workshops with **19** courses and **5500+** registrations (**50%** y-o-y increase)
- Incepted **Grad Booklet**, a higher studies application guide with **15+** universities specific insights covering **50+** senior profiles
- Pioneered the **Internship Preparation Program** - **5+** booklets, **10+** sessions aiding over **1500+** undergraduates

Student Mentor | *Department Academic Mentorship Program, Electrical Engineering* (Jun'22 - Present)

Part of a **36-member** team handpicked through a rigorous process of meticulous interview, peer reviews and interpersonal skills

- Appointed to mentor **6 junior undergraduate** students in their academic, personal and extra-curricular pursuits in the institute
- Contributing to initiatives for improvement of **D-AMP blog** allowing access to academic-related information to students

PROFESSIONAL AND RESEARCH EXPERIENCE

EXL Service | **Decision Analytics Intern** (May'22 - July'22)

Awarded a letter of recommendation by the Director of the New York based global analytics and operations management firm

- Partnered with the US team in the **sports analytics consultancy** division to leverage fan data for deriving actionable insights
- Worked on developing a **proof of concept** for an analytics platform for major European and American sports leagues
- Integrated the customer and fan retention model output to create **2** working uses cases for the ticketing module using **PySpark**

A Study on Electricity Trading in India | **Summer Undergraduate Research Program, IIT Bombay** (Jul'22 - Present)

Conducting an analysis of the Power Trading Market of India under Prof. Anupama Kowli from the Dept. of Electrical Engineering

- Explored the market clearing volume and price data for unit roots using the **Dickey-Fuller Test**, followed by **SARIMAX Modelling**
- Implementing the **GARCH** model for estimation of volatility in heteroskedastic regimes prevalent in Power Markets

PROJECTS AND TRAINING

Options Pricing Models | *Finsearch, Finance Club, IIT Bombay* (Jun'21 - Present)

Building and backtesting an Option Pricing Model using the Black-Scholes-Merton model and Monte Carlo Simulations

- Deploying the Black-Scholes-Merton using Python to predict the options prices of Microsoft and Alphabet
- Explored the relationship between the strike price and the option prices for a few tradeable securities and derivatives

Deutsche Bank | **Manch 5.0** | *Guide : Sunny Gandhi, Associate Vice President* (Oct'21 - Mar'22)

Selected from **360+** applicants for a 6-month long training program on corporate skills | Worked in a team of **6**

- Identified **Vanilla Hedging** solutions for currency risk based on parameters like exposure, duration and diversification of assets
- Investigated the impact of crude oil prices on exchange rates and analysed hedging solutions in **4** different geographies

EXTRACURRICULAR ACTIVITIES

Sports	<ul style="list-style-type: none">Successfully completed a year long training in Lawn Tennis under the National Sports OrganizationFinished with a silver medal at the Tata Memorial Cancer Research Hospital fundraiser 5k marathon
Speaking Arts	<ul style="list-style-type: none">Conferred with Special Mention at JacoMUN - a Model United Nations Conference, among 100+ participantsStood 1st in the Jacobean inter-school debate and extempore competitions in multiple high school years
Social	<ul style="list-style-type: none">ELIT TA: Curated lectures for weekly classes aimed at improving English proficiency of 200+ studentsCo-headed a team of 25+ students to generate awareness about Tuberculosis in 5 slums of Kolkata
Miscellaneous	<ul style="list-style-type: none">Authoring an article on AI in Healthcare as the Editor of the department newsletter, Background Hum