



Dhatri Kaushal Mehta
Electrical Engineering
Indian Institute of Technology Bombay

210070027
B.Tech.
Gender: Female
DOB: 30/01/2003

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	

Pursuing a **minor** in **Data Science** offered by the Centre for Machine Intelligence and Data Science

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 454** in JEE Advanced examination amongst **1.4 lakh** candidates (2021)
- Secured **All India Rank 1310** in JEE Mains examination amongst **11 lakh** candidates (2021)
- Among top **300** out of 3 lakh candidates across India in BITSAT, with a score of **382/450** (2021)
- Stood **3rd** all over India and **1st** in Maharashtra state in Class 10 CBSE Board exam (2019)

KEY PROJECTS

FINANCE PROJECTS

Understanding Credit Score Algorithms | *FinSearch Project* | *Finance Club* (July 2023 - Present)

- **Researched** about drivers of credit score, techniques to create score models and role of AI in it
- Determined impact of customers' credit scores on **P2P lending firms** and challenges faced by these

Financial Market Experience Program | *Finlatics Live Project* | *E-cell* (Jan-June 2023)

- Practised knowledge of **financial markets** and **investment banking** through AI-driven games
- Performed **portfolio management** on real-time stock simulator and authored an **equity research**

MACHINE LEARNING PROJECTS

Face Recognition Model | *Summer of Code Project* | *Web n Coding Club* (May-July 2023)

- Worked on project '**Find Me Out**' to develop **face recognition model** using deep learning tools
- **Augmented** the collected data and implemented a convolutional neural network, using **TensorFlow 2.0's keras-vggface** in **Python** that could give results with more than **95%** confidence
- Tailored the **pretrained model** to project dataset, by applying **transfer learning** and **fine-tuning**

Sentiment Analysis Project | *Course Project (Minor)* | *Guide: Prof. Biplab Banerjee* (April 2023)

- Studied an **IEEE paper** "Evaluation of Deep Learning Techniques in Sentiment Analysis from Twitter Data" and implemented a deep learning model in **Python-Keras** framework, based on it
- Classified tweets as positive, negative or neutral, using **Long Short-Term Memory** neural network
- Used GloVe word embedding model on cleaned data and finally ran the model on test data to obtain results to validate accuracy between predictions and real values

Stock Price Predictor | *Course Project (Minor)* | *Guide: Prof. Amit Sethi* (Nov 2022)

- Used a Machine Learning model to **predict the stock prices** of the shares of 3 companies
- Used **Python-Keras** framework to implement a **Long Short-Term Memory** based neural network
- Trained and subsequently ran the neural network to obtain successful results on test data

ELECTRICAL ENGINEERING PROJECTS

Trainee, IIT Bombay Racing | *Faculty Advisor: Prof. Sandeep Anand* (July-Dec 2022)

- Underwent **month-long training** to understand electrical systems deployed in the Electric Vehicle, Printed Circuit Board functions and routing, learnt soldering, crimping and data-sheet reading
- Successful transition from trainee to the role of **Junior Design Engineer** for Electronics and System Integration Subsystem; subsequently, worked on **PCB testing** and **inventory reconciliation**

EXTRACURRICULAR ACTIVITIES

- Completed **one year** of training in **athletics** under National Sports Organisation (**NSO**) (2021)
- Awarded merit certificate in the prestigious **Homi Bhabha Bal Vaidnyanik Competition** (2018)
- Served for one year as a **Vice Captain** in the school council of Reliance Foundation School (2017-18)
- Secured **third** position in interschool competition on 'Nurturing Talent for Nobel Laureatism' (2017)
- Won a zonal silver medal and merit certificate in International English Olympiad by securing **10th** rank at the **international level** (2017)