



Ashish Singh Chauhan
Mechanical Engineering
Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
DOB: 31/10/2002

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

Pursuing **Minor** degree offered by **Computer Science and Engineering Department**, IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Currently ranked **5th** in the Department of Mechanical Engineering among **195+** students [Present]
- Awarded **Branch Change** on the basis of **academic excellence** in the first academic year [2021]
- Awarded an **AP** grade for exceptional performance in **EE 101** among 630 students [2021]

PROFESSIONAL EXPERIENCE

Web Development Intern [June '22 - Present]

e-Yantra

- Ideated the strategy for the implementation of e-Yantra Societies to be established on a National Scale
- Responsible for **designing** and **implementing** a web-portal which would be used by the e-Yantra Societies

KEY TECHNICAL PROJECTS

Data Analysis of the Indian Premier League | Winter in Data Science [Dec '21 - Jan '22]

Analytics Club | IIT Bombay

- Performed **Exploratory Data Analysis** on IPL dataset for obtaining statistics of teams for 12 season
- Carried out **feature engineering** and used machine learning models, **Random Forest** & **Neural Networks** to predict the final score within an error margin and winner of a match using test-set as the latest season-2021.
- Achieved an accuracy of **85.85 %** on the 2021 dataset for predicting the winner of the match through **SVR**

Option Pricing Models and Their Accuracy

[June'22 - Present]

Finsearch | Finance Club, IIT-B

- Investigating Options markets and pricing models along with fundamental mathematical underlyings
- Studying the **Black-Scholes Model** and **Monte-Carlo Simulations** for options pricing
- Made an implementation of Black-Scholes Model in **Python** to calculate the option Price for given parameters

Personality Detection using Data From Social Media

[May'22-July'22]

Summer Of Code | Web And Coding Club

- Performed **EDA** using various libraries to get an insight of the data obtained from Kaggle containing the result of a survey conducted on Social Media to gauge the personalities of various people
- Clustered the total data points into 5 clusters using **K-means** method of the **sklearn.cluster** module

POSITIONS OF RESPONSIBILITY

Web Developer

[Feb'22-Present]

Rocket Team, IIT Bombay | Patronage from ISRO

- Working in a team of **6** to develop and maintain the frontend of the team's website as well as fix bugs
- Currently working on coding the backend of the website and revamping the complete website on **Django**

Teaching Assistant | MA111

[Feb '22-Mar '22]

Multivariable Calculus | Prof Saurav Bhaumik

- Assigned the work of taking the tuts and clearing the doubts of **40+** students
- Helped in formulating the solutions of the tuts and distributing them among the students
- Focused on academically weaker students, solved their doubts in order to boost their performance

EXTRACURRICULAR ACTIVITIES

- Discharged duties of a **Teaching Assistant** for CH107, MA111 and ME119 [2022]
- Completed a beginner course on **MySQL** and **JavaScript** offered by Progate [2022]
- Wrote blogs on different sustainable ideas to be uploaded under **Parivartan**, NSS, IIT B [2021]
- Created videos on different sustainable ideas to be uploaded on the YouTube channel of **Tarang**, NSS [2021]
- Guiding students for JEE on **Quora** with a total of **61.6k+** views [Present]
- Portrayed the character of Macbeth in the play conducted by the school [2015]
- Elected as a member of School Parliament(prefect) to maintain discipline in the school [2016]