Mohit sharma

Metallurgical Engineering and Materials Science

Indian Institute of Technology Bombay

20D110010

B.Tech.

Gender: Male

DOB: 2/4/2002

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

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

PROFESSIONAL EXPERIENCE

Software Engineer Intern | Lightstone Technologies (May 22'-July 22')

High-growth startup tackling the application of Indoor Navigation and Asset Tracking

Awarded **Letter of Recommendation** for exemplary performance and dedicated work during the Internship

- Implemented **Indoor Navigation** and **tracking** and **Indoor - Outdoor Map Positioning** system using **LeafletJs** library
- Used data stored in **Cloud Database** acquired using **IOT** devices present in the laboratories and **simulated** it on Map
- Connected **Django** backend with **ReactJs** for Facility Map **Path - Tracking** using Django **GeoLocation** library
- **Implemented** and Acknowledged the basics of **REST API**, **HTTP** methods, and serverless programming

Full Stack Developer | YoZu - A Doubt Solving Platform (Oct 21')

High-growth EdTech startup providing an E-Learning Providers to students leveraging user friendly platforms

- Executed user-side **Chat System** based on **Django-Websocket** for a smooth conversation between a user and instructors
- Integrated **Firebase** for **Real-Time** databasing offering a non-relational Database Storage using **Firestore** system

KEY PROJECTS

Tinkerers' Lab Website | **Institute Technical Council, IIT Bombay** (July 21')

- Used **Django's REST API** and **Angular** to create an **E-Inventory** management system for **2,500+** users
- Encompassed Technician's point, Dynamic Machine status, Machine tutorials and **Deployed** on **Gymkhana server**
- Included an admin panel with **SSO-authentication** to manage the inventory and to receive discrepancy alerts

Bill Reimbursement Portal | **Institute Technical Council, IIT Bombay** (June 22'-Present)

- Automatizing Bill reimbursement process in the institute by providing a Backend in **NodeJs** using **ExpressJs** Framework
- Employed **ReactJS** in Frontend for responsive **UI**, in conjunction with implementing **SSO Login authentication**
- Integrated Google spreadsheet using **Google Cloud API** with the Express **Server** for fetching and posting user bills

Socket Programming | Self-Project (April 22')

- Implemented a **server-client** system to handle and accept multiple **requests** from various clients via **TCP connection**
- Used **Socket Programming** in **C++** to develop a system to differentiate **Multiple Endpoints** and **Port Conflicts**
- Implemented a **TCP connection** to access files and messages stored in the **server** and transfer across the **network**

Data Analysis of ICC World-Cup | Course Project: DS203 | Prof. Amit Sethi (Nov 21')

- Performed **Exploratory Data Analysis** on ICC dataset for obtaining best performing team, batsman, bowler, etc.
- Implemented **PDA** using **Linear**, **RF**, **SVM Neural Network** regressors and predicted scores with good accuracy
- Curated **Logit**, **SVM** and **Decision Tree** classifiers for predicting match winner by engineering different features

POSITIONS OF RESPONSIBILITY

Web Manager | Institute Technical Council, IIT Bombay (April 22'-Present)

Part of a 22 member team conducting all the Technical activities of the Institute, catering to 10,000+ people

- **Head** of a **6-membered** team **responsible** for maintaining the websites of Technical Council, and **Technical teams**
- Solely **responsible** for the Maintainance of the **Gymkhana Apache Webserver** and **Deployment** of **Web applications**
- Spearheading the development of a **Counselling Portal** under **Student Welfare Centre** - IIT BOMBAY

Mentoring & Leaderships | Institute Summer Technical Activities (Jan 22'-Present)

Actively groomed talented minds in the institute by providing Mentorship and Guidance

- Mentoring **6** sophomores to help with their academics, time-management, career decisions and personal endeavours
- Actively involved in conducting **career related sessions** aimed towards a department of **300+ students**

EXTRACURRICULAR ACTIVITIES

- Worked as a 1-month **Software Trainee** at **Drona Aviation Pvt. Ltd.** for improving backend and **SEO** (2022)
- Participated in **World Programming Championship 2021** organized by **Techfest** - Asia's Largest Technical Fest (2021)
- Participated in **Code Wars** Version 2.0 (**Algorithmic trading**) organized by Web n Coding Club, IIT Bombay (2022)
- Participated in **Venture Capital Investment** Competition organized by **Finance Club**, IIT Bombay (2022)
- Completed a year-long **Football** Training program under **National Sports Organization**, IIT Bombay (2021)
- Completed **Arduino TinkerCad** Bootcamp organized by Electronics & Robotics Club, IIT Bombay (2020)
- Conducted **50+** myth buster sessions about eye donation to **100K+** people under the social initiative '**Drishti**' (2021)