Pratiek Sonare		**22B2440**
Metallurgical Engineering and Materials Science		**B.Tech.**
Indian Institute of Technology Bombay		**Gender: Male**
		DOB: 16/12/2004

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2026	8.06

Pursuing **Honors** in **Metallurgical Engineering and Materials Science** offered by **MEMS**, IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Achieved a **99.69** percentile among **1.5+ million** candidates in the *Joint Entrance Examination - Mains* *(2022)*
- Among the top **4.8%** from the **0.15+ million** candidates in *Joint Entrance Examination - Advanced* *(2022)*
- Acquired a certificate of merit for being in top **1%** by scoring 100 in Mathematics in *CBSE Board Examination (2020)*

TECHNICAL PROJECTS

Online Book Store Website | *Full-Stack Development: MERN | Self-Project* *(Jul '24)*
Developed a comprehensive book store website using HTML, React.js, Node.js, Express.js, MongoDB, and CSS

- Built user-friendly interface with **React.js** for essential functionalities including user registration, book ordering etc.
- Constructed a backend using **Node.js** and **Express.js** to handle API requests and ensure efficient server-side operations
- Utilized **MongoDB** for efficient data storage and management, providing handling of book inventory and user data
- Developed an **admin panel** to manage books, orders, and user information, ensuring efficient administration

Personal Portfolio | *Front-End Development: HTML, CSS, JS, Bootstrap | Self-Project* *(Jun '24 - Jul '24)*
Developed a personal portfolio website with multiple interactive sections to showcase personal projects and experiences

- Integrated **JavaScript** to enable animations and interactive features like project sliders and collapsible blog sections
- Utilized **Bootstrap** framework to enhance and ensure a consistent design and functionality across different browsers
- Created custom **CSS** layouts, styles and media queries to achieve a unique, personalized and responsive website design

E-Commerce App | *Full-Stack Development: Flutter, JS, Express.js, MongoDB | SOC, 2024* *(Jun '24)*
Developed a full-stack Amazon clone with authentication, product search, secure checkout and an admin panel

- Utilized **Node.js**, **Express**, **MongoDB**, Cloudinary and Provider for robust backend and client-side state management
- Employed middleware and authentication **APIs** using **JWT Token** and **JavaScript** for secure authentication process
- Generated an admin panel feature for efficient product management, order monitoring and earnings analytics with graph

LSTM Based Stock Market Prediction | *WiDS | Analytics Club, IIT Bombay* *(Jan '24)*
*Used **TensorFlow** (Python) to build a LSTM based Time Series Forecasting Model for Amazon Stock Price Prediction*

- Pre-processed the data to a balanced one having a **50:50** ratio using window sliding algorithm and removing outliers
- Analyzed, applied and compared different **LSTM Neural-Network** architectures for best possible predictive accuracy
- Hypertuned the parameters to restrict the model to **6.24** MSE and **4.86** MAE on the predicted Amazon stock price

TECHNICAL SKILLS

Languages	HTML, CSS, JavaScript, Flutter, Python, C++, MATLAB, LaTeX, Arduino
Frameworks and Tools	Bootstrap, React, MongoDB, Node.js, Express.js, PHP, mySQL, Git, JWT
Softwares and Services	Excel, Power BI, Figma, Adobe Photoshop, ThermoCalc, Autodesk Fusion 360

POSITIONS OF RESPONSIBILITY

Department Academic Mentor | *D-AMP | Student Mentorship Program, IIT Bombay* *(June '24 - Present)*
*Part of a **29** member team selected from **89** applicants based on a stringent interview and extensive peer review process*

- Mentoring **6** sophomores from the MEMS Department on a one-to-one basis on various aspects of their day-to-day life
- Part of the **Blog** subgroup of the D-AMP council in charge of updating and maintaining the MEMS D-AMP blog with information pertaining to the academic and career needs of **300+** undergraduate students of the MEMS Department

Institute Sports Convener | *IIT Bombay Sports* *(May '23 - May '24)*
*Part of a **36** member team selected from more than **200+** candidates to conduct all sporting activities at IIT Bombay*

- Ideated and executed **Freshie La Vista**, the freshmen send-off event at IIT Bombay, catering to about **1300+** freshers
- Conceptualized **General Championship Opening Ceremony** which witnessed **300+** footfall from **10+** hostels
- Revamped the Instagram Page of Cricket Club, IIT Bombay by launching **3** campaigns and increasing outreach by **30%**
- Successfully conducted the first ever **Freshers Cricket League**, a 3-day tournament with **80+** freshman players