



Pratik Nimje
Metallurgical Engineering and Materials Science
Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
DOB: 07-09-2002

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	7.6

SCHOLASTIC ACHIEVEMENTS

- Achieved **93.36** percentile out of over 0.15 million candidates in **JEE Advanced** (2020)
- Secured **98.25** percentile in **JEE-Mains** among over 0.88 million candidates (2020)
- Obtained **99.71** percentile in **MHT-CET** out of over 0.43 million candidates (2020)

POSITIONS OF RESPONSIBILITY

Web and Tech Coordinator | 51st Edition | Mood Indigo, IIT Bombay (May'21 - Present)

Asia's Largest College Cultural Festival | Viewership: 100k+ | Events: 100+

- Part of a 50 member team **ideating** and **managing** all the web portals of Mood Indigo
- Worked on **MI website**, a one-stop solution for all Mood Indigo activities to boost user outreach by **20%**
- Worked on College Connect Program and MI Shop page on My-MI website built on Angular Framework
- Increased workshops competitions registrations of Indoor Indigo by **120%** through innovative portal design

Web Convener, MEMS Council, IIT Bombay (May'21 - Present)

Part of 18 member team responsible for promoting the student-faculty interaction for 800+ students

- Fabricating the Department website and Metals and Materials Association(MMA) website in a **team of 2**
- Developing a portal for academic queries that will redirect the query to the responsible committee

Exhibition Coordinator | Techfest, IIT Bombay (May'21 - Present)

Asia's Largest Science and Technology Festival

- Strategizing and managing virtual international exhibitions with **45+** exhibits across **15+** countries
- Collaborating with Technical, Research, and Educational Institutions from **40+** countries for exhibiting their advanced technical prototypes and products in virtual International Exhibitions

KEY PROJECTS

Pluto X Controlled Plane (Dec'21-Present)

Guide: Jai Jobanputra | Manager | Aeromodelling club, IIT Bombay

- Part of **7 member** team working together to build a plane that can be controlled through the mobile phone
- Developed the **code (written in c++ language)** which helped us to convert the normal motors into servo motors, that when connected to plutoX micro-controller can be controlled with the pluto controller app
- Working on the optimization of the design of the plane to keep it lightweight approximately under 110gms

Hyperloop IIT Bombay | Student technical team (Dec'21-Present)

Part of the 50-member team involved in ideating, designing, and developing a functioning prototype pod for participating in SpaceX's Hyperloop Pod Competition

- Spearheading the website project which will be a major point of contact and reference for all user interaction
- Developing the website for the team in HTML CSS and Javascript along with the web-flow framework
- Coordinating with the design team to incorporate the required look and necessary components for the website

Line Follower Bot (Sep'21)

Guide: Parth Nachane | Chief Executive Officer | The Robobox

- Engineered a bot that analyzed black and white lines with help of sensors to move along the designated path
- Tuned the two sensors for **real-time analysis** of the path enabling the bot to move in the proper direction
- Constructed proper connections with **Motor Driver** which connected motor, sensors, and other components

Prediction of the adiabatic flame temperature of Natural Gas | Course Project (Nov'21-Dec'21)

MM209 Course Project | Guide: Prof Viswanathan N Nurni, Prof. Aswani Yella

- Developed a **program (written in python programming language)** that can predict the adiabatic flame temperature of natural gas (assuming the typical composition of the natural gas) burnt with excess oxygen/air
- The program accepted the percentage of excess oxygen/air as input, giving user the adiabatic flame temperature
- Debugged the code and made an exhaustive report of the project with relevant thermodynamic data finding

TECHNICAL SKILLS

- Programming:** C++, MATLAB, R, Python
- Web development:** HTML, CSS, Javascript, PHP, ReactJs, Angular
- Software:** Microsoft Office, Mysql, Git and Github, L^AT_EX

EXTRACURRICULAR ACTIVITIES

- Successfully completed the year-long training in playing Tabla under **National Sports organization** (2020-21)
- Secured **1st** division in Tabla exam, Akhil Bhartiya Gandharva Mahavidyalaya Mandal, Mumbai (2018)
- Successfully completed the **3km** Marathon in Aavahan Run, IIT Bombay, Sports (Mar'21)