



Prajwal Singh
Metallurgical Engineering and Materials Science
Indian Institute of Technology Bombay

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B.Tech.
Gender: Male
DOB: 02-03-2001

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	
Intermediate	CBSE	Himalyan international School	2019	93.40%
Matriculation	ICSE	St. Paul's High School , Patna	2017	97.20%

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 3501** in JEE Advanced Out of 2,25,000 Candidates (2019)
- Among **India's Top 300** Students Selected for Indian National Chemistry Olympiad (**INCHO**) (2019)
- Awarded The National Talent Search Examination **NTSE** Scholarship by N.C.E.R.T. Govt. of India (2017)
- Secured **All India Rank 26** and **State Rank 1** in **NSTSE** Conducted by Unified Council (2017)

KEY PROJECTS

Social Media App | Full Stack MERN Application

(July 2021)

- Created a Social Media App to support blogs and memorable Life events using **React Js** and **Node Js**
- Used **material-ui/core** Kit for designing the Client Application , enabling Mobile Responsiveness
- Created Server Application, Connected it with **MongoDB cloud atlas** to Host Our DataBase
- Implemented **Redux Capabilities** to the Backend creating multiple code files , enhancing the **Scalability**
- Created **Form** , added **API requests and actions** For making Post requests , Added functionalities like getting likes , option to delete the post , added Action constants and Deployed The App on **heroku.com**

React Chat Application

(July 2021)

- Built a Microsoft Teams Chat Clone using **React Js** with backend Hosted by **chatengine.io**
- Designed the Chat feed features like background Colour, location of message texts using **JavaScript XML**
- Added features like **Sharing Images** , receiving **sound notifications** , icons showing who read the message
- Created **Login Form** to enter the app with Credentials available in local storage and Deployed it on **Netlify**

Competitive Coding | Summer of Code | wncc

(Apr'20-June'20)

- Learnt about various basic **Data Structures and Algorithms**, their Applications and Implementation in **C++**
- Got Exposure to Advanced Algorithms like **Dynamic Programming** and **Graph Algorithms**
- Participated in Contests and solved **100+** problems on online Platforms like Codechef and Codeforces

INTERESTS

Competitive Programming

- Active on **Codeforces**: Rating: **1813** , **Codechef**: Rating: **2134** , solved 1500+ Algorithmic Problems (2021)
- Secured **Global Rank 552** in **Google Kickstart** Round C among 11,000 Participants (2021)
- Secured **Global Rank 57** in **Codechef** June Cook off among 8,000 Participants (2021)
- Secured **Rank 27** in **DSA Contest** Conducted on **Hackerearth** among 1,000 Participants (2020)

POSITION OF RESPONSIBILITY

Teaching Assistant at Department of Mathematics for MA111

(Jan'21 - Mar'21)

Under Prof. Rekha Santhanam , Prof. Debanjana Mitra

- Conducting Weekly Problem Solving Tutorial Sessions for a batch of 40 First Year UG Students
- Correcting the Answer Booklets and Organizing Crib Sessions After every major Course Exams

COURSES UNDERTAKEN

- Computer Networks*
- Numerical Analysis
- Computation Lab
- Statistical Machine Learning and Data Mining*
- Introduction to Electrical and Electronic Circuit
- Mathematical Methods in Engineering
- Data Analysis and Interpretation
- Data Structures and Algorithms**
- Linear Algebra , Calculus

*Currently Pursuing the Course (Autumn 2021) , ** Completed Through Online Platform (Udemy)

EXTRACURRICULAR ACTIVITIES

Miscellaneous	<ul style="list-style-type: none">Represented Hostel 5 in SciCompBlitz General Championship and Secured 1st PositionPart of Educational Outreach Division of NSS IIT Bombay in First YearReached Semi-Finals of Intra Department Box-Cricket Tournament
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