



# Maharsh Raval

Roll No.:210108026

B.Tech - Electronics and Electrical Engineering

Minor in Mathematics

Indian Institute Of Technology, Guwahati

+91-8128986819

r.maharsh@iitg.ac.in

mbraval04@gmail.com

GitHub/Maharsh04 | Website

Linked-In/Maharsh-Raval

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.15 (Current)	2021-Present
B.Tech. Minor	Indian Institute of Technology, Guwahati	8.0 (Current)	2022-Present
Senior Secondary	GSEB Board	94.8%	2021
Secondary	ICSE Board	95.8%	2019

## PROJECTS

- **ConvoConnect Web App** Jun. 2023 - Jul. 2023  
*Coding Club Project* Github
  - Developed a **Node.js** web application which allows **group video** and **audio chat** functionality
  - Used **PeerJS** and **Socket.IO** libraries to establish peer to peer connection and have real time communication
  - Used **PassportJS** and **Oauth 2.0** to implement **Google Authentication** for user authentication and provided additional features like **screen-share**, a **collaborative whiteboard**, and a **shareable email invite**
- **PDF Extract Web App** May. 2023 - Jun. 2023  
*Submission for Adobe Papyrus Nebulae'23* Github
  - Developed a **Node.js** web application that utilizes the **Adobe PDF Extract API** to extract customer details, company information, and product data from multiple PDF invoices
  - Used **CSV-writer** library to create and **write information** extracted from multiple pdfs in a single **csv file**
- **Cab-Hub Web App** Jun. 2023 - Present  
*Group Project* Github
  - Developed a user-friendly **cab fare comparison** website with **interactive map** functionality for easy **route search**
  - Used **puppeteer library** to **scrape** cab fares from popular cab booking sites such as **Uber** and **Ola** to provide cab fares on a single platform
  - Provided **direct redirection** to respective pages to **easily book cabs** based on user preferences and estimated fares

## TECHNICAL SKILLS

- **Programming:** C++, C, JavaScript, Java\*
- **Web Technologies:** HTML, CSS, Node.js\*, React\*
- **Database Management:** MongoDB\*
- **Miscellaneous:** Git, LaTeX\*
- **Operating Systems:** Windows, Linux\* (Basic Shell Utilities) \* Elementary proficiency

## KEY COURSES TAKEN

- **Electronics and Electrical:** Digital Circuits, Signals and Systems, Control Systems, Analog Circuits
- **Mathematics:** Basic Calculus, Probability & Random Processes, Statistics
- **Computer Science:** Introduction to Computing (Theory and Lab)

## POSITIONS OF RESPONSIBILITY

- **Academic Representative,** Cepstrum, IIT Guwahati Jul. 2022 - Present
  - Responsible for handling all **academic-related** issues, ensuring a supportive learning environment for students
  - Responsible for **conducting academic talks** like **Insight lectures**, **Minor Talk**, etc for an audience of 100+ students
- **City Representative,** Technothon, Techniche, IIT Guwahati Jun. 2022 - Sep. 2022
  - Achieved **500+ registrations** from city schools for Technothon prelims by **personally approaching principals**
  - Effectively conveyed the value and benefits of participation during direct interactions with school administrators

## ACHIEVEMENTS

- **JEE Advanced,** Secured All India Rank 1967 among 1.5 lakh students 2021
- **JEE Mains,** Secured All India Rank 2349 among 950k students 2021
- **Aditya Birla Scholarship,** Among 36 finalists shortlisted from the prestigious top 7 IITs 2021

## EXTRACURRICULARS

- **Mentor,** Assisting freshers in academics, cultural involvement and college-related matters
- **Event Organiser,** Hosted and managed 50 qualified participants from across India for Technothon Mains round
- **Content Creator,** Contributed technical content for Electronics Club's Instagram page