



Ramjas Sahu

Roll No.:220108048

B.Tech - Electronics and Electrical Engineering

Indian Institute Of Technology, Guwahati

+91-9214187669

ramjas.sahu@iitg.ac.in

ramjasjd31@gmail.com

Github | Website

linkedin | codeforces

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	6.72 (Current)	2022-Present
Senior Secondary	CBSE Board	92.8%	2021
Secondary	CBSE Board	86.2%	2019

PROJECTS

- **ZCoder Web Application** May. 2024
Coding Club, IIT Guwahati Github
 - Developed ZCoder, a platform for competitive programmers with user authentication, personalized profiles, and problem sharing.
 - Tech Stack: **React.js** for frontend, **Node.js** and **Express.js** for backend, **MongoDB** for database.
 - Implemented **CRUD** functionalities for posting coding problems with fields for questions and answers.
 - Enabled user interaction through commenting on public problems and integrated **JWT Authentication** for secure access and profile management.
- **Josaa Data Analysis Portal** Jun. 2024
Coding Club, IIT Guwahati Github
 - Developed a **Django-based** web application to help students find colleges based on **predicted ranks and categories**.
 - Tech Stack: Python, Django, HTML, CSS, JavaScript, **Pandas**, **NumPy**, **Selenium**, **BeautifulSoup**, **Scikit-learn**.
 - Implemented user authentication with **Django and JWT**, a **machine learning** rank predictor,college predictor with **linear regression and extrapolation**, and **web scraping** for up-to-date data.
- **EduColab Web Application** Jan. 2024 - Feb. 2024
Group Project Github
 - Developed an educational platform using **MongoDB**, **Express.js**, **React**, and **Node.js** to enhance student collaboration, project showcases, and peer connections.
 - Implemented user authentication, personalized profiles, chatrooms, and course reviews in a **MERN stack** web app for student collaboration and project showcase.
 - Designed for user-friendly project sharing and feedback; future plans include dynamic search capabilities.

TECHNICAL SKILLS

- **Programming language:** C/C++,Python*.
- **Web Technologies:** HTML,CSS,Javascript.
- **Web Development Tools:** React.js, Node.js, Express*, Django*.
- **Database Management:** MongoDB, MySQL*.
- **Machine Learning Tools:** NumPy, Panda, scikit-learn, Keras*, TensorFlow*,Regression extrapolation*.
- **Operating Systems:** Windows. * Elementary proficiency

KEY COURSES TAKEN

- **Computer Science:** Introduction to Computing (Theory & lab).
- **Web Development:** Web Development Fundamentals(IBM SkillsBuild).
- **Electrical and Electronics:** Signals and System, Control Systems.
- **Mathematics:** Linear Algebra, Basic Calculus, Probability & Random Processes.

POSITIONS OF RESPONSIBILITY

- **Core Team - Events**
Spirit IIT Guwahati Jun 2024-Present
 - Spearheading a team of 50+ sophomores for organising and executing **Spirit**, the annual Sports fest of IITG, North East India's Biggest Sports Fest that attracts 4000+ participants all across Nation.

ACHIEVEMENTS

- **JEE Advanced 2022**,Secured **Rank 5179** among 0.15 million candidates appearing for the test. 2022
- **Headstart**,Programing contest conducted by coding club,Secured **Rank 1** among all student of IITG. 2023
- **Reliance Foundation UG Scholarship**,Selected under 5k among students of all streams of India. 2023