



Ramjas Sahu

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B.Tech - Electronics and Electrical Engineering

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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 a comprehensive platform for competitive programmers, featuring **user authentication, personalized profiles, problem sharing and a contest calendar**
 - Designed and implemented **CRUD functionalities** for coding problems, enabled commenting for community interaction, implemented **JWT authentication**, and created a calendar for upcoming coding contests and used React.js for frontend, Node.js and Express.js for backend, MongoDB as database.
- **Josaa Data Analysis Portal** Jun. 2024
Coding Club, IIT Guwahati Github
 - Developed a **Django-based** web application to help students find suitable colleges based on **predicted ranks and categories**.
 - Tech Stack Used: Python, Django, HTML, CSS, JavaScript, **Pandas, NumPy, Selenium, BeautifulSoup, Scikit-learn, JWT**.
 - 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
 - **MERN stack** web application aimed at enhancing the educational experience by providing a platform for students to collaborate, showcase their projects, and connect with peers.
 - Tech Stack Used: MongoDB (NoSQL database for storing data), Express.js (backend web application framework running on Node.js), React (frontend library), Node.js (JavaScript runtime environment for executing server-side JavaScript code).

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

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

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