

Saumya Ranjan

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Education

Birla Institute of Technology, Mesra (BITM) Dec. 2020 - July 2024
B.Tech in Electronics and Communication Engineering **CGPA: 8.96**
Relevant Courses: OOP (C++), Algorithms and Data Structures I and II (C++), Machine Learning, Neural Networks

Work Experience

Data Engineer, Axis Bank Aug. 2024

Retail Lending Operations *Python, SQL, Informatica, Pyspark, Hadoop, AWS, ETL, Github, Git*

- Automated data extraction and transformation processes, reducing manual effort by 40% and improving data accuracy by 25%.
- Streamlined ETL processes using Informatica and Pyspark, cutting data processing time by 30%.

Data Science Intern, Axis Bank May - July 2023

- Collaborated with cross-functional teams to deploy machine learning models on AWS, enhancing fraud detection capabilities by 18%.
- Managed and maintained large-scale Hadoop clusters, ensuring 99.9% uptime and efficient data storage solutions.

Projects

Stick - Stock Sep. 2023

Stock and Inventory Management System *Next.js, MongoDB, JavaScript, HTML, TailwindCSS, Git*

- Developed a stock management system using Next.js and MongoDB
- Designed a user-friendly dashboard with Tailwind CSS
- Utilized MongoDB to create a highly scalable and efficient database system for the stock management project

Foodify July 2023

Functioning prototype for a food delivery website with Authentication *MongoDB, ExpressJS, NodeJS, ReactJS*

- Implemented user Sign-Up and Sign-In features, along with a fully functional shopping cart.
- Enabled users to view their previous order history, including order date and time.

Skills

Technologies & Tools:

React.js, Node.js, C++, Python, SQL, MongoDB, Express.js, JavaScript, HTML, Python, Git, Github

Certifications:

IBM Certification : Python for Data Science, AI and Development.

UC Davis : SQL for Data Science

Leadership and Volunteering

IEEE Student Branch, BIT Mesra

Web Development Team

- Orchestrated workshops, coding sessions, and events to enhance skills for 100+ students.

Google Developers Students Club, BIT Mesra

Competitive Programming and Web Development Team

- Conducted various Workshops on Competitive Programming and C++ for 100+ students

Achievements

- Specialist on Codeforces:** Achieved the Title Specialist on the Competitive Programming Platform (CodeForces)
- CF Round 919: Rank 2451** Achieved a rank of 2451 in the Codeforces Round 919 (Div. 2)
- CF Round 921: Rank 2720** Achieved a rank of 2720 in the Codeforces Round 921 (Div. 2)
- Leetcode Contest 382: Rank 2884** Achieved a rank of 2884 in the Leetcode Weekly Contest 382
- Solved 600+ DSA questions on platforms including Leetcode, GeeksforGeeks, Codeforces, etc**
- G.P. Birla Scholarship Recipient:** Received the prestigious G.P. Birla Scholarship for outstanding Academic performance.