

Shristi Ray

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Summary

Final-year BTech student with hands-on experience building web applications using Java, Spring Boot, and the MERN stack. Strong understanding of data structures and algorithms, demonstrated through technical write-ups of LeetCode problems. Interested in development and scalable system design, with a focus on writing clean, maintainable code.

Education

Dr BC ROY Engineering College, Durgapur

July 2021 – Present

Bachelor Of Technology in Computer Science and Design - 8.59 CGPA

Experience

Research Intern, International Institute of Information Technology Naya Raipur, Raipur

May 2024 – July 2024

- Implemented Isolation Forest and KMeans algorithms for NSL-KDD dataset anomaly detection, achieving 98% accuracy in threat classification.

Projects

Effort Tracking System (Spring Boot)

- Developed an Effort Tracking System to monitor and track work progress across roles like employees, managers, and designers.
- Enabled real-time tracking and updates for the admin to oversee work status and ensure project timelines.
- Designed intuitive dashboards for quick review of effort hours, project milestones, and productivity insights..
- Tools Used:** Java, Spring Boot, MySQL, Postman, AJAX

StudyNotion

- Developed StudyNotion, a MERN stack-based ed-tech platform for creating, consuming, and rating educational content.
- Designed interactive front-end using ReactJS and Tailwind, robust back-end with Node.js and Express.js, and scalable data storage via MongoDB. Implemented features including user authentication, course management, payment integration, and API design.

Achievements

- Solved 200+ problems on LeetCode and authored Java-based solution writeups.
- Participated in hackathons; built working prototypes in fast-paced, team-based settings.
- Volunteered in college tech fest coordination, managing team logistics and communication.

Technologies

Experienced in multiple programming languages including **C, Java, HTML, CSS, JavaScript, and MySQL**

Tools: Git, VS Code, MongoDB Compass, Eclipse, Overleaf

FrameWorks: Spring Boot(JAVA)

CS Fundamentals: Data Structures and Algorithms (JAVA), Object Oriented Programming Language (JAVA), Operating System (OS)

Soft Skills: Autonomous, Detail Oriented, Leadership, Time Management, Public Speaking, Cooperation