

Ishita Roy

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Education

B.Tech (CSE) Academy Of Technology, Hooghly 2024 CGPA: 9.4/10 | Class 12th – 90% (2020) | Class 10th – 92% (2018) |

Technical Skills

Languages & Frameworks: Java, Spring(Core, Boot, ORM, DAO, AOP, AI), Hibernate, ReactJS, SQL (Oracle, PostGreSQL), MongoDB

Developer Tools: Git, Github, Jenkins (CI/CD), Firebase, IntelliJ IDEA, VS Code, Postman, Bash Script(Linux), Power Platform, Azure, Swagger UI

Core Concepts: OOPs, RESTful APIs, Microservices, MVC Architecture, Responsive Design, State Management (Context API, Redux basics), UI/UX Design, Product Strategy

Experiences

Tata Consultancy Services - System Engineer

Apr 2025 - Present

- Developing and maintaining the **backend architecture** for an insurance portal using **Spring Boot**, with a focus on performance, reliability, and scalability.
- Streamlining deployment through **Jenkins-based CI/CD pipelines**, integrating **PostgreSQL** and **MongoDB** databases for efficient data management and version control.

Haletale - FrontEnd Developer Intern

Dec 2024 - April 2025

- Implemented a scalable **frontend architecture** using **React-js**, modernizing legacy code and enhancing overall application performance.
- Provided **strategic UX feedback**, by refining outdated designs, ensuring a seamless experience for clients worldwide .

Skillvalley - Software Development Intern

Mar 2023 - July 2023

- Developed and implemented front-end architecture of a full stack TPO web application using **React-js in frontend**.
- Authored comprehensive **technical documentation** for new software, **outlining system architecture, user flow, and troubleshooting guides**, facilitating **seamless onboarding** for development team and **reducing time spent** on support inquiries by **25%**.

Projects

Placeit : React-js, Express-js, Axios, MongoDB, Node-js

- Employed responsive design techniques to develop a responsive full-stack web application with **cross-browser compatibility** and **optimized performance**.
- Utilized **Agile methodologies** to drive iterative development and continuous improvement, resulting in a **scalable** and user-friendly solution.
- Led website **redesign** focused on **modern design principles** and user-centric navigation, improving overall user experience through thorough **user acceptance testing (UAT)** and continuous feedback implementation.

Habit Tracker & Wellness Journal : Java, Spring Boot, Maven, JPA, PostgreSQL DB, Swagger UI

- Developed a full-stack wellness and habit-tracking app with **secure login, daily mood logging, and habit analytics**.
- Engineered backend logic using **Spring Boot** and **JPA**, with Maven-based modular project structure. Also tested endpoints with **Postman** and documented with **Swagger UI**.
- Designed user flow and app logic visually using **Excalidraw**; integrated CRUD operations for habit and mood logs.

Shiksha Shakti : React-js, CSS3, Axios, Django

- Directed a team of four developers, overseeing the implementation of a responsive front-end and leveraging **Git** for collaborative development.
- Coordinated all phases of the **Software Development Life Cycle (SDLC)** to drive iterative development and continuous improvement, achieving a 20% increase in efficiency and reduced page load times.
- Initiated and led impactful efforts to address teacher shortage and inadequate learning resources through software.

Achievements

- Selected for **Microsoft Engage 2022** (built ML-based **Movie Recommender System**).
- Certified in **Azure Fundamentals (AZ-900)**, **Power Platform Fundamentals (PL-900)**.
- Participated in **5 open source events** and **2 hackathons (Hack4Bengal & SIH)** to gain hands-on experience.