

SNEHA ROY

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TECHNICAL SKILLS

Languages	Java, JavaScript, C, C++, Python
Frontend	ReactJS, TailwindCSS, Redux Toolkit
Backend & Database	Spring Boot, RESTful APIs, RabbitMQ, MySQL, MongoDB
DevOps	Docker
Version Control	Git, GitHub

PROJECTS

Job Portal Platform

Built a complete job portal system supporting role-based dashboards for **Admin**, **Recruiter**, and **Applicant**, implemented with **ReactJS**, **Redux Toolkit**, **TailwindCSS**, **Spring Boot**, **Spring Security**, and **MongoDB**. The platform supports access control via Spring Security, scalable state management with Redux Toolkit, and an optimized MongoDB schema to handle multi-role operations efficiently.

[🔗 Live Demo](#) & [🔗 GitHub Repository](#)

AI Fitness Tracker Microservice App

Engineered a fitness tracking application using a microservice architecture built with **Spring Boot**, **Spring Cloud**, **Eureka Server**, **API Gateway**, and **ReactJS**. The system includes four independent microservices—**User Service**, **Activity Service**, **Suggestion Service**, and **Tracking Service**—communicating via **Feign Clients**. Integrated a custom **AI module** to analyze user activity and provide personalized suggestions based on calories burned. The application also includes secure authentication with Spring Security and a modern, responsive frontend for displaying health insights.

[🔗 Live Demo](#) & [🔗 GitHub Repository](#)

URL Shortener Web Application

Developed a secure and scalable URL shortening application using **ReactJS**, **TailwindCSS**, **Spring Boot**, **Spring Security**, **JWT Authentication**, and **MySQL**. The application features token-based authentication with JWT, clean RESTful APIs for URL mapping and redirection, and a responsive user interface styled with TailwindCSS.

[🔗 Live Demo](#) & [🔗 GitHub Repository](#)

EDUCATION

Master of Computer Application,
University of Engineering & Management, Kolkata (UEM)

2024 – 2026
CGPA: —

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Object Oriented Programming with Java, Database Management Systems, Computer Networks, Software Engineering & TQM, Artificial Intelligence

CERTIFICATIONS

Full-Stack Web Development: Completed an advanced course on Udemy covering Spring Boot, ReactJS, MySQL, and MongoDB for building scalable web applications.

DevOps and Microservices Deployment: Completed an IBM-certified course on deploying containerized microservices using Docker and Kubernetes, with hands-on experience in managing Spring Boot and React-based services.