

RANIT SAHA

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SUMMARY

Results-driven Computer Science undergraduate (B.Tech, 2026) with hands-on experience in software engineering, distributed systems, and full-stack development. Proficient in **Java, Python, React, and FastAPI**, with strong foundations in **data structures, algorithms, and system design**. Experienced in building **scalable, secure, and AI-driven applications** using **Spring Boot, REST APIs, Docker, and AWS**. Adept at collaborating in **Agile environments**, leveraging **CI/CD (Jenkins, Ansible)**, and implementing **OAuth/SSO-based authentication** for enterprise-grade software.

EDUCATION

Techno India University, Kolkata (2026)

Till 6th Semester

B.Tech Computer Science, CGPA: 7.27/10

TECHINICAL SKILLS

Programming	Java 17, J2EE, Python, C++, JavaScript (Node.js), HTML, CSS
Frameworks	Spring Boot, FastAPI, React, Hibernate ORM
Web Services & APIs:	RESTful APIs, SOAP (Basic), Web Services Integration
Databases	MySQL, MongoDB, DB2, SQLite
Cloud/DevOps	AWS, Docker, Linux, Kubernetes, Jenkins
Authentication & Security:	JWT, OAuth, SSO, AES Encryption
Tools	Git & GitHub, Postman, Maven, JSP
Computer Fundamentals	DSA, OOP, DBMS, OS, SDLC, Microservices Architecture

EXPERIENCE

Java Developer Intern [Certificate](#)

Jun 2025 - Jul 2025

Techplement

Remote

Desktop Password Manager (JavaFX, AES, SQLite)

- Created a secure credential storage system using **AES encryption** for password protection.
- Integrated **SQLite via JDBC** for encrypted local database operations.

PROJECTS

Technothon Hackathon Web Application (FastAPI, React, MySQL, MongoDB, AWS, Docker) [Link](#)

- Developed a **hybrid cloud-based web platform** with AI-powered idea submission, mentor assignment, authentication (JWT), and event management.
- Built a **FastAPI backend** integrated with MySQL (relational data) and MongoDB (event logs).
- Deployed using **Docker containers** on **AWS EC2**, ensuring scalability and CI/CD readiness.
- Collaborated with a team of 10+ using **GitHub**, **Agile sprints**, and **Jenkins pipelines** for automated builds

Employee Management System (Java, Swing, AWT, MySQL)

[GitHub](#)

- Built a desktop-based employee record manager with CRUD operations and secure JDBC connectivity.
- Implemented MVC design pattern for better modularity and reusability.

AWARDS

- Winner – Technothon IoT Exposition 2025 (Best Presentation) [Link](#)
- Winner – IBM Expert Labs National Hackathon 2025 [Link](#)