

Saswata Mondal

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Summary

Computer Science undergraduate (B.Tech, 2022–2026) with strong backend development skills in Java, Spring Boot, and SQL. Experienced in building scalable, secure applications and integrating APIs and third-party services. Passionate about clean code.

Education

Institute of Engineering & Management, Kolkata , B.Tech in Computer Science	2022-2026
• SGPA: 9.11 (Weighted till 3 rd Year)	
The Assembly of God Church School, Haldia	2009-2022
• ICSE (Class 10), 2020: 92.4%	
• ISC (Class 12), 2022: 94.75%	

Projects

[SyntaxHut](#) – LeetCode Solutions Platform

- Built a full-stack platform hosting 1300+ curated LeetCode solutions, organized by topic, difficulty, company tags, and multiple programming languages including Python, Java, C++, and C.
- Automated content ingestion and solution generation workflows using GitHub Actions and Google's Gemini AI models, continuously updating the platform with optimal code, comprehensive test case coverage, and detailed time and space complexity analyses.
- Integrated Google AdSense for monetization, Google Search Console for SEO optimization, and Vercel Analytics to monitor site performance and user engagement.
- Implemented secure user communication via EmailJS contact forms with environment-variable-based credentials.
- Hosted on Vercel with Cloudflare as CDN and DNS provider, leveraging edge caching and security features to deliver a fast, reliable, and globally performant user experience.

Library Management System

- Built a Library Management System using Spring Boot and MySQL.
- Developed REST APIs for managing books, users, and borrowing records.
- Secured endpoints with Spring Security and JWT authentication.
- Used Spring Data JPA for efficient database operations and custom queries.
- Wrote unit tests with JUnit and Mockito.

Technologies

Programming Languages: Python, Core Java, Spring Boot

Databases: MySQL

Web: React.js, HTML, CSS, JavaScript

Tools & Platforms: Git, GitHub, REST APIs

Awards & Achievements

- ISC School Topper & House Captain 2021–2022
- Top 5% performer & Silver Certification in NPTEL
- Winner & Organizer – School & College Table Tennis Tournaments

Certifications

- NPTEL- Programming in Java,
- NPTEL- Database Management Systems,
- NPTEL- Introduction to Programming in C,
- NPTEL- Problem Solving in C
- IBM Java Developer Professional Certificate- Coursera
- React Basics- Coursera