Sayan Bhattacharyya

Kolkata, West Bengal

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Summary

Final-year B.Tech Computer Science student at Narula Institute of Technology with hands-on experience in backend development. Skilled in Java, Spring Boot, REST APIs, SQL, and database management, with experience building practical software applications.

Education

Narula Institute of Technology **2023 - 2027 (Expected)**
B.Tech in Computer Science and Engineering — Full-time *MAKAUT — CGPA: 8.36/10*

Rasulpur B.M. High School **2023**
Higher Secondary Education (HSC) — Full-time *WBCHSE — 81.20%*

Rasulpur B.M. High School **2021**
Secondary Education (SSC) — Full-time *WBBSE — 94.85%*

Technical Skills

Languages: Java, JavaScript, SQL
Technologies: Spring Boot, JDBC, REST APIs, React
Databases: MySQL, PostgreSQL

Core Subject Proficiencies

Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems

Internship Experience

MERN Stack Intern **August 2026 – Present**
Cronus Consultants

- Developing full-stack web applications using MongoDB, Express.js, React, and Node.js.
- Working with REST APIs, database integration, frontend-backend communication, and application deployment.

Projects

DevPilot – AI-Powered Codebase Assistant | *Java, Spring Boot, Next.js, PostgreSQL, OpenAI API, RAG*

- Built an AI-powered codebase assistant with GitHub login for accessing public and private repositories.
- Implemented repository indexing by splitting source code into smaller chunks for retrieval.
- Generated embeddings and stored vector representations in PostgreSQL using pgvector.
- Implemented RAG-based chat to answer codebase questions and display relevant source files.

WebScholar – Smart Research Assistant | *Java, Spring Boot, JavaScript, Gemini API, REST APIs*

- Developed a Chrome extension using Gemini API to summarize active webpage content for AI-assisted research.
- Implemented persistent, website-specific research notes using Chrome Local Storage for organized information management.
- Built a Spring Boot REST backend for webpage content processing and Gemini API integration.

Certifications

Programming in Java – IIT Kharagpur (NPTEL)
Elite + Gold Certification — Top 1%

SQL (Intermediate) – HackerRank
Skill Certification — 2026

Technology Job Simulation – Deloitte
Issued via Forage — 2026

Additional Information

Problem Solving: Solved 200+ problems across coding platforms
Languages Known: English, Bengali, Hindi