

ADITI GHOSH

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Skills

- **Programming Languages:** Java, C, C++
- **Frameworks & Technologies:** Spring Boot, REST APIs, Android Development, Git/GitHub, Linux
- **Web & Markup:** HTML, CSS, JavaScript, XML, JSON
- **Databases:** SQL, PostgreSQL
- **Developer Tools:** Figma
- **Core Subjects:** OOPs, DSA, DBMS, Operating Systems, Computer Networks
- **Languages:** English (Professional), Hindi (Professional), Bengali (Native)

Education

MCA · NIT Jamshedpur

Aug 2024 – Jun 2027 (Expected)

Master of Computer Applications | Jharkhand, India

BCA · Kalinga University

Aug 2020 – Jul 2024

Bachelor of Computer Applications | Raipur, Chhattisgarh | CGPA: 7.19

Projects

AI-Powered Web App Builder (CodeForge) [Github Link](#)

2026 – Present

Tech Stack: React, Spring Boot, Spring AI, PostgreSQL, Kafka, Redis, Kubernetes

- Built a full-stack AI-powered web app builder with real-time code streaming, live preview generation, and conversational project editing.
- Developed a distributed backend with **6 microservices** using Spring Cloud, Kafka, Redis, and MinIO for scalable deployments and async processing.
- Implemented **SSE-based AI chat streaming** with Spring AI tool-calling and contextual file-aware code generation.
- Designed a **Kubernetes pre-warmed pod deployment** architecture reducing preview startup latency for isolated project environments.

Weather Application [Github Link](#)

2025

Stack: HTML · CSS · JavaScript · OpenWeather API

- Developed a real-time weather application integrating the OpenWeather API to fetch and display live temperature, humidity, and forecast data.
- Designed a clean, responsive UI with dynamic DOM manipulation for smooth usability across screen sizes.

Achievements

- **GeeksforGeeks:** Solved 250+ DSA problems covering arrays, strings, recursion, and core data structures.
- **LeetCode:** Solved 250+ problems (Easy/Medium), strengthening algorithmic thinking and coding efficiency.
- **Codeforces:** Achieved a competitive programming rating of 800+ through timed contests and problem-solving rounds.
- **HackerRank:** Earned a 4-star rating in Problem Solving for proficiency in algorithms and data structures.
- **NIMCET:** Secured AIR 469 in the national-level MCA entrance examination.

Leadership / Extracurricular

Operations Executive, E-Cell

Sep 2024 – Present

NIT Jamshedpur

- Planned and executed E-Cell events end-to-end, managing logistics, coordination, and on-ground operations.
- Collaborated with cross-functional teams across design, marketing, and outreach to ensure smooth event delivery.

Member – Computer Science Society

Mar 2021 – Jun 2023

Kalinga University

- Participated in coding workshops and peer-learning sessions covering DSA, programming fundamentals, and software development practices.