

Souvik Jana

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EDUCATION

JIS College of Engineering

Bachelor of Technology in Computer Science and Engineering

CGPA-9.02/10

Aug. 2022 – May 2026

EXPERIENCE

Internship — Amazon(Onsite)

Jul 2025 - Dec 2025

Programmer/Analyst Intern (L4)

- * Executed multi-region AWS service migration (**DUB** → **ZAZ** → **FRA**) ensuring high availability and zero-downtime rollover.
- * Managed and validated **AWS deployment pipelines (CI/CD)** during regional migrations, ensuring smooth rollouts, automated checks, and consistent deployment quality.
- * Worked with core AWS services: **EC2, ECS,S3, CloudWatch, VPC, Lambda, Fargate, Profiler, Keymaster, Superstar, and Supernova** to support internal service reliability and performance.
- * Conducted end-to-end **API validation**, traffic shift testing, and deployment verification during regional cutovers.

Team Lead — Binary Hackathon

Mar 29 - 30 , 2025

Project: Skill Bloom — Educational Website with Gamification Features

- * Led a 4-member team in the Binary Hackathon to design and develop Skill Bloom, an educational platform where students can explore multiple courses.
- * Directed backend development and coordinated team timelines to deliver a full working prototype within 48 hours.

PROJECTS

Two-Player Chess Game | *MERN , WebSockets*

- * Built a real-time, two-player chess game with turn-based logic and move validation.
- * Used WebSockets (Socket.io) for live communication and real-time game updates.
- * Designed an interactive drag-and-drop chessboard UI with React.
- * Added game history tracking and error-handling mechanisms for a seamless experience.

Student Management System | *MERN*

- * CRUD-based student record management with role-based access for admins, teachers, and students.
- * Implemented role-based access control (RBAC) for admins, teachers, and students.
- * Integrated JWT authentication for secure user login and session management.
- * Interactive dashboard for visualizing academic insights.

TECHNICAL SKILLS

Languages: Java, C/C++, Python, JavaScript, TypeScript, SQL

Web Technologies: HTML, CSS, React, Node.js, Express.js, MongoDB, Angular

Cloud and DevOps: AWS (EC2, ECS, Lambda, Fargate, S3, CloudWatch, VPC), CloudFormation, CI/CD Pipelines, Deployment Pipelines, API Testing, Traffic Shift Testing

Developer Tools: Git, VS Code, IntelliJ IDEA, Jupyter Notebook

Libraries: C++ STL, pandas, NumPy, Matplotlib, Three.js

ACHIEVEMENTS

• Competitive Programming:

- * **Codeforces:** Specialist (Max Rating: **1567**), Rank 1469 in Contest 1032.
 - * **CodeChef:** 4* (Max Rating: **1868**), Rank **125** in Weekly Contest 212(Div-2).
 - * **GeeksforGeeks:** 4* (Solved 900+ problems)
 - * **LeetCode:** Solved 900+ problems, Rank 1893 in Weekly Contest 407
 - * **Coding Ninjas:** Rank 10 in Weekly Contest 177
- **Academics:** Scored **91.4%** in Class X and **89%** in Class XII, GATE'25 qualified.