

Md Sadique Shakeel

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Education

B. Tech in Electronics & Communication Engineering

JIS College of Engineering, Kolkata, WB

Expected May 2027

Higher Secondary (12th)

Patna Muslim High School, Patna, BR

CGPA: **7.6/10**

2023

75.80%

Summary

Passionate software engineering student with strong problem-solving skills and proficiency in data structures and algorithms. Experienced in building scalable web applications and adaptable with modern full-stack frameworks. Focused on writing efficient, maintainable code and delivering impactful solutions.

Skills

Technical Skills

- **Programming:** Proficient in Java; comfortable with Python for data analysis & ML basics.
- **Core Expertise:** Data Structures and Algorithms, backend architecture, and scalable system design.
- **Full-Stack Development:** Experienced in building complete web applications and adaptable with modern frameworks and libraries.
- **Machine Learning:** Practical understanding of AI & ML workflows & data libraries (Pandas, NumPy, Matplotlib).
- **Cloud & DevOps:** Skilled with Git, GitHub, Docker, CI/CD pipelines (GitHub Actions), and cloud deployment using AWS.

Professional Skills

- Analytical Thinking | Adaptability | Clear Communication | Collaboration | Team Work | Ownership

Experience

DevOps Intern [Certification](#)

Feb 2025 – May 2025

Youth Dreamers Foundation (YDF), Remote

- Developed and deployed Moodle courses, improving access to quality learning for underprivileged students.
- Streamlined cloud deployment using **AWS (EC2, Amplify, IAM, RDS, Session Manager)** and **Docker**, reducing setup time and improving system reliability.

Freelance Full-Stack Developer (MERN Stack)

Jan 2025 – Present

- Built & deployed 4 production-grade web applications for clients, implementing backend logic, **RESTful APIs**, and secure authentication.
- Integrated MongoDB, PostgreSQL and Redis for optimized data storage and caching.
- Deployed projects on **AWS using Docker and CI/CD pipelines**, ensuring fast, reliable, and maintainable releases.

Projects

GramFlix - Referral System (Live Project) | [gramflix.in](#)

- Built a **full-stack production-grade MLM platform** with Node.js, Express, MongoDB, Redis, JWT, and Next.js, including live news updates via cron jobs.
- Designed **microservices architecture with API Gateway**, centralized error handling, and JWT-based authentication with role-based access.
- Implemented a **referral-based system** supporting scalable user-management & secure route protection.
- Deployed on **AWS EC2 with CI/CD pipelines**, ensuring automated, reliable, and maintainable releases.

AI + Quantum-Powered Disaster Relief Optimization | GitHub: [Link](#)

- Designing a system that **predicts disaster impact and optimizes resource allocation** using AI (PyTorch / TensorFlow) and Quantum algorithms (IBM Qiskit, D-Wave Leap).
- Building **data pipelines** for satellite, weather, and IoT inputs to enable real-time predictions.
- Developing **decision engine** & interactive dashboard for authorities & volunteers to enable adaptive, fast response.
- Early-phase prototype demonstrates **AI-driven disaster predictions + quantum-optimized rescue strategies** with high social impact.

Achievements & Certifications

- **Solved 150+ DSA problems** across platforms (50+ on LeetCode) and actively improving algorithmic skills through **Codeforces** contests.
- **AI & ML Virtual Internship (Eduskill)**: Gained hands-on experience in ML workflows and predictive modeling.
- **Hackathon Participation:** 3x hackathons including [Adobe Hackathon](#).
- **NPTEL – Introduction to Database Systems**: Strengthened understanding of SQL fundamentals.