AMIT GUNJAN JHA

Kolkata, West Bengal

📞 +91-6290660611 ✉ amitgunjanjha799@gmail.com in Linkedin ⌂ Github ⌂ LeetCode ♟ Codechef

EDUCATION

Vellore Institute of Technology, Bhopal **2022 − 2026**
B.Tech - Computer Science and Engineering - **CGPA - 8.64** *Bhopal, Madhya Pradesh*

EXPERIENCE

Member - Viksit Bharat Working Group 8 **Feb 2025–Present**
Role - Policy Contributor | Sustainability, Public Policy

- Co-authored data-driven sustainability policies supporting national climate objectives and UN SDGs.
- Led Mission LiFE Labs to boost citizen climate action with digital tech and behavioral insights
- Collaborated with government, research, and tech teams to deploy digital sustainability strategies.

PROJECTS

Datadrop - Direct File Sharing ⧉ | Java, Spring Boot, Socket Programming, AWS Lightsail **2025**

- Architected a scalable P2P platform (Java/Next.js), slashing transfer latency 50% with direct transfers.
- Engineered a real-time socket server to broker P2P connections, ensuring a 99% session success rate.
- Automated the Docker deployment pipeline to AWS Lightsail, reducing deployment time by 40%.

File Cloak - Command-Line Vault ⧉ | Java, JDBC, SQL, JavaMail API **2025**

- Engineered a secure Java vault using JDBC and SQL, guaranteeing 100% data integrity for all hidden files.
- Implemented a secure user account integrity with a JavaMail API-based MFA and OTP verification module.
- Developed a fault-tolerant CLI with robust error handling, improving user task completion rates by 30%.

Multithreaded Web Server ⧉ | Java, Multithreading, Socket Programming, Apache JMeter **2025**

- Engineered a Java HTTP server from scratch to handle 1,000+ concurrent requests with low latency.
- Implemented a multithreaded architecture, slashing average response time by 99% (from 1700ms to 15ms)
- Validated server scalability with JMeter, achieving a 15ms average response time under heavy load testing.

TECHNICAL SKILLS

Languages : Java, C++, SQL
Fundamentals: Data Structures & Algorithms, Object-Oriented Programming (OOP)
Databases: MySQL, MongoDB, PostgreSQL
Backend Frameworks: Spring Boot, JUnit, Mockito
Cloud (AWS): EC2, S3, RDS, IAM, Elastic Beanstalk, Route 53
DevOps & CI/CD: Docker, Kubernetes, Terraform, Jenkins, Ansible, NGINX, GitLab
Developer Tools: Git, Maven, Apache JMeter, Postman

ACHIVEMENTS

- Selected in the **top 0.10 %** nationwide to represent **West Bengal** at the national **Viksit Bharat Young Leaders Dialogue 2025**
- Attained a maximum LeetCode rating of 1510+
- Achieved a GeeksforGeeks rating of 1560 and attained 2-star coder recognition

CERTIFICATIONS

- GitHub Foundations (GitHub)
- AWS Academy Cloud Foundations (AWS)
- AWS Academy Cloud Architecting (AWS)
- DevOps Fundamentals(IBM)
- Devops, Agile & Design Thinking (IBM)

EXTRACURRICULAR

- Member at Mozilla Firefox Club, VIT Bhopal *Aug 2023–Present*