

MOHD ADIL

+91 63866 95340 | mohd.adil.yu78@gmail.com | linkedin.com/in/adil7k777 | github.com/coder-Ace77 | Portfolio |

Software Development Engineer · Backend · Distributed Systems · Cloud

IIT Bhilai CSE · LeetCode Guardian (2554 top 0.1%) · Codeforces Expert (1849) · AWS Certified

Backend SDE with hands-on experience building distributed systems and microservices using Java/Spring Boot and AWS.
Strong foundation in DSA and system design.

EXPERIENCE

Publicis Sapient

June 2025 – Present

Software Development Engineer · Java, Spring Boot, AWS, React

Gurugram, India

- Contributed to the development of **Spring Boot** Java microservices for a high-traffic e-commerce application.
- Implemented multi-level caching (Redis + in-memory) and optimized slow SQL queries on read-heavy endpoints, reducing average API response time by **25%**.
- Integrated **CloudFront CDN** with image caching strategies, cutting page load time by **20%**.
- Awarded **Rookie of the Batch** for being the top performer within the graduate intake through high impact delivery.

PROJECTS

CodeArena · Online Judge · Spring Boot, React, Kafka/SQS, Docker, Redis

[GitHub](#) | [Live](#)

- Designed a microservices-based online judge supporting **10,000+ concurrent users** via an async pipeline that fully decouples submission ingestion from code execution.
- Built an isolated **Docker execution engine** to safely run untrusted code with CPU/memory constraints, eliminating cross-submission interference.
- Integrated **Kafka/SQS** for distributed messaging and Redis for verdict caching, achieving near-real-time feedback; added an LLM assistant for context-aware debugging hints.

Drive · Cloud-Native Storage · Python, FastAPI, React, MongoDB, AWS S3

[GitHub](#) | [Live](#)

- Developed a scalable, cloud-native storage platform, leveraging AWS S3 for persistent blob storage and high-availability file management.
- Engineered a hierarchical file system using **recursive MongoDB aggregation pipelines**, cutting metadata retrieval latency by **80%** vs. naive document scans.
- Implemented **S3 Presigned URL** transfers, bypassing the app server entirely for direct client-to-cloud uploads/downloads at full cloud speed.

Fastdev · AI-Driven API Mocking Engine · Python, FastAPI, Next.js, OpenAI

[GitHub](#) | [Live](#)

- Built a dynamic mocking engine that auto-generates **REST endpoints from natural language** via OpenAI APIs, reducing API setup time by **90%**.
- Eliminates frontend-backend blocking dependencies, enabling fully parallel development workflows across teams.

EDUCATION

Indian Institute of Technology, Bhilai

2021 – 2025

B.Tech in Computer Science & Engineering · **CGPA: 8.78 / 10**

Lucknow Public School

2020

AISSCE (Class XII) · **96.2%**

TECHNICAL SKILLS

Languages & Frameworks: Java (Spring Boot), Python (FastAPI, LangChain), JavaScript/TypeScript (React, Node/Express), C/C++, SQL

Databases & Middleware: PostgreSQL, MongoDB, Redis, Apache Kafka, AWS SQS

Cloud & DevOps: AWS (EKS, EC2, S3, RDS, CloudFront), Docker, Kubernetes, Jenkins, CI/CD Pipelines, Git

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitioner (CLF-C02) · Top **1%** in IIT JEE 2021 (out of ~1.2 million candidates)