Arav Mehta

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Education

Bachelor of Technology in Computer Science & Engineering   2021–2025
Indian Institute of Technology (IIT), Indore
CGPA: 9.02/10

Experience

Software Engineer Intern   May 2024 – July 2024
Zentech Innovations, Bengaluru

- Designed and optimized backend services using **Java Spring Boot**.

- Fixed 40+ production bugs, improving system stability and performance by 28%.

- Built clean and maintainable REST APIs integrated with **MySQL** and **Redis**.

- Collaborated using **Git**, GitHub, and JIRA for code reviews and version control.

- Implemented logging, monitoring, and performance enhancements for debugging.

Projects

DevSync – Collaborative Code Review Platform
Python (FastAPI), React, PostgreSQL, Docker, Git

- Built a real-time platform for code submission, commenting, and version review.

- Implemented RBAC, live document updates, and efficient relational schema.

- Used Docker for service isolation and GitHub Actions for CI/CD workflows.

IntelliNote – AI-Powered Notes & Summary Generator
Java, Spring Boot, MongoDB, OpenAI API

- Developed backend APIs for summarization, tagging, and smart search.

- Added asynchronous processing to reduce API response latency.

- Designed microservice architecture supporting scalable workloads.

AlgoVision – DSA Algorithm Visualizer
C++, HTML/CSS/JS, Canvas API

- Developed visualizations for sorting, trees, DP, and graph algorithms.

- Implemented step-by-step breakdown emphasizing time complexity.

Technical Skills

Languages: Java, Python, C++, JavaScript
Core Concepts: Data Structures & Algorithms, OOP, DBMS, OS
Backend: Spring Boot, FastAPI, Node.js
Databases: MySQL, PostgreSQL, MongoDB
Tools: Git, GitHub, Docker, Postman, Linux
Other: REST APIs, Debugging, Unit Testing, CI/CD

Achievements

- Solved 800+ DSA problems on LeetCode and GFG.

- Ranked in the top 5% in Google Kick Start and CodeChef (4).

- Awarded "Best Software Project" for DevSync.

Profile Summary

Highly skilled Software Engineer experienced in building scalable applications and writing clean, efficient code. Strong expertise in **Java, Python, C++**, DSA, OOP, backend development, databases, and Git-based collaboration. Passionate about high-performance, reliable systems and solving complex engineering challenges.

Extra Activities

- Open-source contributor: FastAPI plugins and Spring Boot utilities.

- Conducted workshops on Git, DSA, and backend engineering.

- Active participant in hackathons and competitive programming contests.