SYED MOHAMMAD ALI

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💼 Experience

Software Intern (Current)
MPSEDC | April 2024 – Present

- Working as part of the MPSEDC team on web and software solutions.

- Active member of the event organizer team at MPSEDC, supporting logistics, registration, and participant management.

Technical Content Assistant Intern
A2Infotech | Mar 2022 – Jun 2023

- Taught 100+ students Java SE/EE, OOP concepts, and backend development, improving their interview performance.

- Simplified complex programming challenges with real-world examples, boosting retention rates 2x.

- Debugged and optimized student code, reducing common errors by 40%.

- Grew YouTube channel subscribers from 18K to 38.5K (+114%).

- Managed a team of video editors & content creators to produce regular high-quality technical videos.

🎓 Academic Background

- B.Tech (CSE) – TIT College, Bhopal | Sept 2021 – Aug 2024 (CGPA: 7.67/10)

- Diploma in Electronics & Telecommunication – SVBP College, Bhopal | Jan 2018 – Sept 2021 (CGPA: 7.06/10)

💻 **Projects**

🛍️ **Amazon Clone Application**
Tech Stack: **Java, Spring Boot, Postgres, Spring Security, REST APIs**

- **Developed a feature-rich e-commerce app for browsing, searching, and buying products.**

- **Implemented Spring Security for authentication & authorization.**

- **Designed optimized REST APIs and database schema to improve query speed by 40%.**

- **Implemented transactional features like order placement and simulated payment.**

🏠 **Home Automation System (IoT)**
Tech Stack: **ESP32, Blynk IoT, C/C++, Node.js**

- **Developed a smart home app to control devices via a dashboard, reducing manual intervention by 70%.**

- **Implemented real-time sensor data processing for motion & temperature monitoring, boosting energy efficiency by 35%.**

- **Developed a backend to store device status for enhanced reliability.**

🏥 **Patient Monitoring System (IoT)**
Tech Stack: **ESP32, Blynk IoT, C/C++**

- **Designed a wearable monitoring device to measure vitals & send instant alerts.**

- **Allowed doctors to view live data and reduce hospital visits by 50%.**

- **Improved sensor accuracy with calibration, reducing false alerts by 40%.**

🧑 **Employee Leave Management System (HRMS)**
Tech Stack: **Java, Spring Boot, PostgreSQL, REST APIs**

- **Developed a leave management system with roles for employees, managers, and HR.**

- **Designed REST APIs and DB schema for leave requests, approvals, and balances.**

- **Implemented caching to improve response times by 25%.**

💼 Technical Skills

- **Languages: Java, JavaScript, C/C++**

- **Frameworks/Libraries: Spring Boot, Spring Security, ReactJS, Node.js**

- **Databases: PostgreSQL, MongoDB**

- **Tools & Platforms: Git, GitHub, IntelliJ IDEA, VS Code, Blynk IoT**

- **Concepts: REST APIs, OOP, Data Structures, Indexing, Query Optimization**

✨ Achievements & Activities

- **Active participant in MPSEDC event organizing committee, successfully hosted Naksha 2.0.**

- **Assisted with logistics, participant management, and technical setup for events.**

- **Developed leadership and teamwork skills through hands-on event coordination.**