Pawan Verma

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Professional Experience

Tata Consultancy Services *January 2024 – Present*
Assistant System Engineer

- Developed and deployed scalable mobile applications and back-end services for India's premier financial institution using Spring Boot, RESTful APIs, and Java 8, ensuring robust and modular architecture.
- Enhanced system functionality by designing and implementing RESTful APIs, optimizing data integration, and improving communication across microservices for better performance and seamless module interaction.
- Automated database operations and synchronization workflows using executable JARs and cron jobs, significantly reducing manual intervention and improving deployment efficiency.
- Diagnosed and resolved production issues effectively, minimizing downtime and enhancing application reliability through detailed debugging and root cause analysis.
- Utilized Google Play Console and App Store Connect for alpha and beta testing, ensuring no critical issues in production releases.

Technologies: Java-8, Spring Boot, REST APIs, Microservices, Hibernate, MySQL, Agile.

Achievements

- **LeetCode Knight:** Top 4% globally with a rating of 1903 and more than 1300 solved problems.
- Awarded the **ONGC Scholarship** for academic excellence (2019–20).

Personal Projects

Chatify Live ☑ GitHub ☑

- Engineered a web-based communication platform using MERN stack and Socket.io for real-time messaging.
- Integrated Firebase Authentication for secure login and personalized features such as avatars and GIF messaging.
- Delivered a user-friendly, responsive interface, ensuring a seamless experience across devices.

Technologies: ReactJS, NodeJS, Express, MongoDB, Firebase, Giphy APIs

Pathfinding Visualizer Live ☑ GitHub ☑

- Implemented graph search algorithms such as **A***, **Dijkstra**, **BFS**, **DFS** and various **Maze generation** algorithms for real-time interactive user experience.

Technologies: HTML5, CSS3, JavaScript, Bootstrap

Education

Bachelor of Technology (B.Tech) *2019 - 2023*
B. K. Birla Institute of Engineering and Technology
Pilani, India *CGPA:* 8.66

Technical Skills

- **Languages:** Java, JavaScript, C++, MySQL
- **Frameworks & Libraries:** SpringBoot, Hibernate, JPA, ReactJS, React Native
- **Tools & Technologies:** Android Studio, Xcode, Git, JBoss