

AMAN JOSHI

Software Developer

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SUMMARY

A result-driven full-stack web developer with expertise in the MERN stack (MongoDB, Express.js, React, Node.js). Experienced in building scalable applications, managing state with Redux and MobX, and implementing responsive design. Strong skills in translating business requirements into technical solutions with a focus on delivering high-quality user experiences.

TECHNICAL SKILLS

- React
- C/C++
- Python
- Java
- MySQL
- MongoDB
- Data Structures and Algorithms
- Power BI
- JavaScript

PROJECTS

BlogBurst | React, Node.js, Express.js, MongoDB 08-2024

- Developed a full-stack blogging platform where users can create, post, edit blogs, and leave comments on posts.
- Implemented user authentication and authorization for secure access to blog creation and editing.
- Utilized React for an interactive, responsive front-end, ensuring a smooth user experience.
- Built a RESTful API using Node.js and Express.js to handle blog and comment management.
- MongoDB for efficient data storage, enabling CRUD operations for blog posts and comments.
- Ensured scalability and maintainability of the codebase by adopting modular design principles.

Fitcloth - E-commerce SPA Project | Frontend Developer 05-2024

- **Technologies Used:** React, Redux, MobX, React Router, Webpack, Babel, CSS-in-JS (styled-components)
- **Developed a Dynamic SPA:** Built a single-page application for e-commerce using React, enhancing user experience with seamless navigation.
- **State Management:** Utilized Redux and MobX for efficient state management, ensuring consistent application state across components.
- **Dynamic Routing:** Implemented React Router for efficient navigation and dynamic routing within the application.
- **React Expertise:** Applied React hooks, lifecycle methods, and state management to create robust, interactive UI components.
- Designed reusable components to streamline development and maintenance.
- **Styling:** Used CSS-in-JS libraries like styled-components for scalable and maintainable styling solutions.
- **Performance Optimization:** Enhanced application performance through code splitting, lazy loading, and memoization techniques, resulting in faster load times and improved user experience.

Rapid 2 Food Orders: | Java, React, Hibernate, MySQL 01-2024

- SDLC Model : Agile process Model
- A cutting-edge initiative to revolutionize the rapid booking process for food orders in high-traffic locations, like college cafeterias, leading to a reduction in customer wait times.
- Main focus testing on Admin page, Owner page.

- To address the challenges of peak-hour orders and streamline the food booking process for students and staff alike, this innovative system is designed.

Firefighting Solution | C++, IoT, ESP32, Arduino IDE

05-2023

- Developed a real-time fire detection system using ESP32 microcontrollers for enhanced firefighting operations.
- Programmed in C++ within Arduino IDE to manage sensor data and trigger alerts in emergency situations.
- Focused on improving firefighter safety and optimizing operational effectiveness through rapid fire detection.
- Collaborated with a cross-functional team to ensure project success and meet critical deadlines.

EDUCATION

Lovely Professional University

MCA - Master of Computer Application

2022 – 2024

Phagwara, Punjab

CSJMU University

BCA - Bachelor of Computer Application

2019– 2022

Kanpur, UP

ACHIEVEMENTS

Patent – On idea

02-2023

Automation Wireless Chair and Desk Adjustment System

- A unique idea on “Machine Learning -Based Automation Wireless Chair and Desk Adjustment System”, Sensor and vision inspired “IOT” based automatic system adjust of chair according to individual.

CERTIFICATIONS

- Python Course on Multiple Languages, IIT Madras
- Programming in Python
- The Java Language
- C++ Programming
- MongoDB
- PyGame
- MySQL