Sushant Tiwari

US CITIZEN | (571) 376-1545 • Morrisville, NC • sushanttiwari234@gmail.com

EDUCATION

University of North Carolina Charlotte (Graduated)

Bachelor's degree: Computer Science, Information Technology   Graduated 08/2024

Coursework: Java I, Java II, Data Structure and Algorithm, Logics and Algorithm, Software Engineering
Development Courses: Web App Design and Development, Operating Syst & Networking (SCADA), Software Req and Project Management

PROFESSIONAL EXPERIENCE

Software Developer, Yarsa Tech   Oct 2020 – Dec 2022

Fort Worth, Texas · Remote
Hotel Nepal: Designed hotel booking solution for international and domestic tourists with 5,000 hotels registered and more than 10,000 users.
Technologies Used: Spring Boot, MySQL, React, React Native, AWS.
Responsibilities: Involved in Analysis, Design, Development and production phases of the application.

- Developed new features for the application, such as the ability to book multiple rooms at once or to filter results by price and amenities.
- Fixed bugs in the application, such as a problem that prevents users from logging in or a bug that causes the application to crash when a user tries to book a room.
- Improved the performance of the application by optimizing the database queries or by caching frequently accessed data.
- Maintained and updated the codebase by keeping it up to date with the latest technologies and security best practices.
- Deployed the application to production servers and monitor its performance to ensure that it is running smoothly.

Software Engineer, Clean Plate Innovations   May 2024 – Present

Pittsburgh, Pennsylvania, United States · Remote
Technologies Used: Python, Next.js, Firebase

- **Software Engineering Leadership:** Spearheaded comprehensive software engineering strategies aligned with Clean Plate's vision, focusing on AI vision technology.
- **Team Mentorship:** Led and mentored technology teams, fostering a culture of innovation, collaboration, and continuous improvement.
- **Technical Excellence:** Oversaw the design, development, and deployment of high-quality AI-driven vision systems, ensuring adherence to coding standards and architectural guidelines.
- **Web Application Development:** Developed client-facing web applications using Next.js and Python, with Firebase for database management.
- **Collaboration:** Worked with cross-functional teams to deliver integrated solutions for AI projects and enterprise applications, communicating technical strategies and progress to executive leadership.

PROJECTS

Hotel Booking Website ⬯ - JS | Python | Flask | MySQL   May 2023 – Dec 2023

- Developed a scalable and performant fully functional hotel booking website with a comprehensive user and admin management system.
- Integrated Python Flask as the server-side framework to handle requests and serve dynamic content efficiently.
- Employed MySQL for robust database management, ensuring secure and reliable storage of user data and booking information.
- Focused on optimization to ensure the website's fast performance, quick load times, and seamless navigation on various devices and browsers.

FOMO – Social Networking Platform ⬯ – Python | Flask | Firebase | Bootstrap   Jan 2023 – May 2024

- Developed a full-stack social networking platform with user authentication, profile management, friend requests, and real-time notifications.
- Implemented a responsive web design using HTML, CSS, and Bootstrap for optimal user experience across various devices.
- Built a secure backend using Flask, integrating database operations for user interactions like posting, commenting, and liking.
- Utilized AJAX and JavaScript for dynamic content updates without reloading pages.
- Integrated image uploading and processing functionality for user profiles and posts.

Eco-Friendly Marketplace ⬯ ⊕ – Node.js | EJS | JavaScript | CSS | MongoDB   Jan 2024 – May 2024

- Developed an eco-friendly e-commerce platform with dynamic bidding for competitive pricing.
- Implemented secure, session-based authentication using Node.js with robust error handling and test cases.
- Utilized MongoDB for scalable database management, supporting dynamic interactions and real-time offer tracking.
- Employed EJS for server-side rendering, enhancing performance and personalized user experiences.
- Integrated comprehensive seller and buyer management, enabling seamless transactions and real-time feedback.
- Optimized website performance, reducing load times by 30% through best practices in code structure and resource management.

Bookstore Management System - JAVA
- Integrated Object-Oriented Programming (OOP) concepts such as inheritance, polymorphism, and interfaces to ensure modular and scalable code.
- Utilized abstract classes, method overloading, and method overriding to enhance system functionality.
- Implemented advanced searching and sorting algorithms, ensuring efficient data retrieval and management.

SKILLS

TECHNICAL SKILLS
- Java | C++ | C# | Python
- Node.JS | React.JS | Bootstrap
- SQL | JS | HTML | CSS | Flask
- Spring Boot | MySQL | GitHub
- Heroku | SCADA| PostgreSQL
- I/Q, PQ | jQuery | Restful API
- MongoDB | Express.js | .Net
- Docker | Splunk | JUnit | Redux

CERTIFICATION
- Microsoft Office Excel/Word 2019
- Microsoft Office PowerPoint 2019
- Software & Project Management
- Adobe Photoshop | InDesign | Lightroom
- Responsive Web Design Developer
- JavaScript Algorithm and Data Structures
- Security Plus / Security Pro / Network Pro

COMPETENCE
- Leadership | Problem-Solving
- Technical Proficiency
- CI/CD | Agile | Scrum | Waterfall
- Teamwork | Reporting
- Collaboration | Adaptability
- Analytical Thinking