MANAV JOSHI

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Driven software engineer eager to leverage expertise in developing scalable applications while gaining new insights and skills. Aimed at enhancing system performance and learning from cutting-edge technologies and collaborative projects.

EDUCATION

Master of Science in Computer Science	Sep 2023 – May 2025
Pace University	Seidenberg School of Computer Science and Information Systems	New York City	NY

Courses: Intro to Parallel Computing | Internet Computing | Information Systems | Unix C Shell Programming | ASP.NET

Bachelor of Science in Computer Application	Aug 2018 – May 2021
Veer Narmad South Gujarat University	Gujarat	India

Courses: Object Oriented Programing Concepts | Data Structure and Algorithms | Database Management System

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, C++, C
- **Frameworks:** Spring Boot, Spring MVC, Django, React.js, Angular JS, Node.js, Agile
- **Databases:** MYSQL, MongoDB, PostgreSQL, Microsoft SQL Server, Git
- **Technologies:** GCP, AWS (Lambda, EC2), Hadoop, REST API, JSON, Azure

EXPERIENCE

Zeel Infotect	Jun 2021 – Aug 2023
Software Developer	Gujarat, India

- **Architected scalable Java applications** using **SDLC** and **Agile methodologies**, resulting in a **30% increase in application performance** and a **20% reduction** in **deployment time**
- **Enhanced user experiences** by using **Spring MVC**, **Spring Boot**, and **Spring Security** to build responsive and secure web applications. Implemented **authentication** and **authorization** for robust access control
- Adopted **Docker** and **Kubernetes** for efficient application containerization and deployment, improving DevOps practices
- Developed and interactive front-end designs using **HTML**, **CSS, Bootstrap**, and **jQuery**

PROJECTS

Rig Builder module

- Designed and implemented a high-performance Rig Builder Module using **React, Node.js, and MySQL**, enabling **real-time component compatibility** checks and reducing **configuration errors by 40%**
- Boosted system security and reliability by integrating **JWT authentication, bcrypt.js** for encrypted credential storage, and **rigorous unit testing** with Jest and Supertest, improving **test coverage to 90%** and reducing **authentication-related issues by 30%.**
- Optimized user experience with a **sleek, responsive UI** powered by Tailwind CSS and React, improving navigation **speed by 50%** and enhancing accessibility for **seamless PC configuration**

Weather Application

- Developed a **real-time weather application** using Java Spring Boot and **Vaadin UI**, resulting in a **50% increase in data retrieval speed** and **improving user satisfaction by 20%**
- **Streamlined data retrieval** by integrating the **OpenWeatherMap API** with **OkHttp**, allowing users to easily access up-to-date weather information based on city and temperature preferences
- **Orchestrated** the design and implementation of a responsive, visually appealing frontend, boosting **user satisfaction by 25%** and reducing **bounce rates by 15%**, resulting in a smoother user experience
- Implemented **real-time location-based weather updates**, allowing users to receive accurate and personalized forecast reports based on current location for enhanced convenience

Employment Management System

- **Built a Employment Management System** using **Spring Boot MVC**, enabling smooth management of employee records with **intuitive CRUD** operations for adding, viewing, updating, and deleting information
- **Optimized data handling** by integrating **Spring Data JPA** with a relational database, ensuring efficient data storage and retrieval while enhancing performance and data integrity
- Showcased expertise in Java and Spring Boot, utilizing **Thymeleaf** for template management, reducing **development time by 20%** and ensuring a clean, maintainable codebase

LEADERSHIP EXPERIENCE

- Headed the student tech club at Veer Narmad South Gujarat University, organizing coding competitions and tech seminars to enhance student learning and engagement
- Coordinated team projects and mentored peers by providing technical guidance and facilitating group discussions
- Drove community outreach by aligning projects with academic goals and current industry trends