Mansi Patel

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EDUCATION

Master of Science in Computer Science (GPA - 3.83/4) Jan '22 - Dec '23
The University of Texas at Arlington, TX

Bachelor of Science in Computer Engineering Aug '17 - May '21
Kadi Sarva Vishwavidyalaya, Gandhinagar, India

WORK EXPERIENCE

Software Developer Jan '24 - Present
BE Networks, Richardson, USA
- Developed a scalable front-end application with JavaScript and TypeScript, leveraging NestJS for microservices and RESTful APIs. Ensured efficient collaboration and version control for microservices using Git.
- Integrated the LangChain framework to improve AI-driven chatbot development, employing prompt engineering techniques to optimize conversational flows and improve user interactions.
- Redesigned critical software components to improve system architecture, optimizing GUI performance through CSS enhancements and enabling efficient history management.
- Developed manual and automated test cases with Jest for microservices, reducing critical bugs by 25**%** and ensuring 99% application uptime, demonstrating a strong commitment to software quality and reliability.
- Collaborated with cross-functional teams in an Agile Scrum environment, contributing to the deployment of secure and high-performing software systems.

Software Developer Intern Sept '23 - Dec '23
BE Networks, Richardson, USA
- Developed and optimized user interfaces for company SD-LAN solutions, using JavaScript, HTML, and CSS, focusing on creating intuitive and responsive designs that enhance user interaction and experience.
- Collaborated closely with senior developers to refactor and improve existing codebases, leading to a 15% improvement in system performance and a 10% reduction in maintenance costs.

Software Developer Apr '21 - Dec '21
Moltech Solutions Pvt. Ltd., Ahmedabad, India
- Developed and deployed five web and mobile applications using React.js, React Native, Bootstrap, and Figma, improving UI by 35%, while independently designing, developing, and testing a mobile app with React Native and Figma.
- Optimized performance and deployment by enhancing SEO, implementing CI/CD, improving page load speeds by 15%, reducing downtime by 40%, and revamping web designs using reusable components, prototyping, and WordPress.
- Accelerated development cycles and improved UI/UX by implementing reusable components, UI prototyping, and performance tuning, reducing design iteration time by 50% and enhancing feature rollout speed with CI/CD.

ACADEMIC PROJECTS

Life Insurance Management System *Angular, Spring Boot, MySQL* Jan '25
- Developed a full-stack insurance management system using Angular, Spring Boot, and MySQL, featuring secure REST APIs, CRUD operations, and role-based dashboards, with version control managed via GitHub.
- Architected a scalable notification system to deliver timely messages for policy updates, payment reminders, and renewal alerts, enhancing user engagement and integrating JWT authentication for improved security.

Cloud Based Storage Application *JAVA, Socket Programming* Feb '23 - Apr '23
- Developed a Java-based application similar to Google Drive, using Java Threads and Synchronization concepts.
- Utilized TCP, UDP, and thread management for client-server communication, file sync, and delta sync.

Property Management Portal *HTML5, CSS3, WordPress ReactJs, Laravel, MySQL* Jul '22 - Aug '22
- Developed a website using HTML5, CSS3, and JavaScript to manage family properties, projects, trials, groups, etc.
- Used ReactJS, Laravel, and MySQL to calculate the percentage of the share each family receives when a property is sold.
- Improved the project by using WordPress to develop and maintain the blog page of the website

SKILLS

Programming Language: Java, JavaScript, TypeScript, CSS, HTML, XML, Python
Frameworks/Libraries: NestJS, ReactJS, React Native, JQuery, Bootstrap, Spring Boot, Angular, OpenAI, WordPress, Figma
Development Tools: VS Code, IntelliJ IDEA, GitHub Copilot, Git, Postman, TortoiseHg, Figma
Project Management Methodology: Agile SDLC, Continuous Integration/Continuous Deployment (CI/CD)

CERTIFICATIONS

AWS Certified Cloud Practitioner from Amazon Web Services (AWS) Jun '24