Sindhu Yalamati

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EDUCATION

University of Nevada, Reno	**2024-present**
Masters in Computer Science	3.8/4
Sasi Institute of Technology and Engineering	**2019 - 2023**
B.Tech in Computer Science and Engineering	3.56/4

EXPERIENCE

AI Prompt Engineer & Full-Stack Developer Intern | *FoxTow*, Inc　　　　**March 2025 - Present**
- Enhanced web application UI/UX using HTML, CSS, React, and Spring to improve design and usability.
- Improved platform navigation and responsiveness with React components and state management.
- Integrated third-party APIs and developed backend features using Spring Boot and PostgreSQL.
- Built and optimized new Kits features with full-stack technologies, ensuring smooth performance.
- Utilized Git and GitHub for version control and used Cursor AI tools to streamline prompt engineering and development workflows.
- Employed Cursor AI tools for efficient prompt engineering, testing, and automation.
- Collaborated on debugging and troubleshooting issues across the frontend and backend stack
- Contributed to database design and query optimization in PostgreSQL for high performance.

QA and DevOps Engineer Intern | *Eficens system*　　　　**2020-2023**
- Led the QA team for the real-time project *Flair*, overseeing end-to-end testing and ensuring product stability across all modules.
- Developed and executed automated test scripts using Selenium and Robot Framework to improve testing coverage and efficiency.
- Designed and maintained CI/CD pipelines with Jenkins, automating build, test, and deployment processes to streamline releases.
- Utilized Terraform for infrastructure as code (IaC) to automate cloud resource provisioning and ensure scalable, reliable environments.
- Deployed and managed servers on AWS, coordinating closely with the DevOps team to maintain high availability and performance.
- Employed GitHub for version control, ensuring smooth collaboration and continuous integration across teams.
- Enhanced QA processes by identifying critical bugs early, and collaborating with developers to resolve issues quickly.
- Contributed to overall software reliability by setting up monitoring tools and optimizing automated workflows.

PROJECTS

E-Commerce Web Application | Course Project (Database Management Systems)　　　　**2024**
- Developed a full-stack e-commerce app using Flask (backend), ReactJS (frontend), and PostgreSQL (database).
- Focused on database design, creating and implementing 7 well-structured tables with relationships to manage users, products, carts.
- Built optimized SQL queries and ensured data integrity, normalization, and indexing for performance.
- Integrated Firebase authentication to secure user accounts and linked database operations with user sessions.

UNR Academic Calender Development | Course Project (Full-Stack Web Development)　　　　**2024**
- Created a responsive academic calendar as part of course work utilizing HTML, CSS, ReactJS, and Next.js technologies.
- Developed ReactJS components for dynamic data rendering and utilized Next.js to enhance server-side rendering performance effectively.
- Utilized Git and agile methodologies to facilitate seamless development processes and maintain effective version control.
- Designed a user-friendly, mobile-responsive interface with a focus on UI/UX and cross-browser compatibility for improved navigation.

IoT-Based Smart Wearable Device for Visually Impaired People　　　　**2023**
- Developed an IoT-based wearable device that helps visually impaired individuals by detecting obstacles and delivering real-time feedback.
- Created the device with Python, facilitating object detection and significantly improving mobility for visually impaired users.
- Incorporated multiple sensors to detect water, cars, and bottles, improving navigation and safety in environments.
- Concentrated on developing a portable, user-friendly design aimed at enhancing safety and independence for users.

RFID-Based Wallet Detection System　　　　**2022**
- Published a project in the Asian Journal of Convergence in Technology, centered on innovative wallet location solutions.
- Created an RFID-based device equipped with sensors to efficiently detect and locate misplaced wallets for users.
- Developed real-time tracking functionality, improving user convenience and significantly reducing the chances of losing wallets.
- Highlighted innovation in research findings, showcasing sensor technology's potential for solving everyday location problems effectively.

SKILLS

- **Programming Languages:** Python, JavaScript, C, C#
- **Web Development:** HTML, CSS, ReactJS, Next.js, Flask, Django, Spring Boot, .NET
- **Database Technologies:** PostgreSQL, MySQL, Firebase, Supabase, Oracle, SQL (queries, indexing, optimization)
- **DevOps & CI/CD:** Jenkins, Ansible, Terraform, AWS (EC2, server deployment), Microsoft Azure, Git, GitHub
- **Testing & Automation:** Selenium, Robot Framework, Automated Testing, QA Processes
- **AI & Data Tools:** Cursor AI tools, Bolt.diy, Pandas, Prompt Design, AI Workflow Integration
- **Cloud & Platforms:** Supabase, Vercel, Ngrok, Tableau, Postman, VS Code
- **Operating Systems:** Linux, Windows
- **Productivity Tools:** Microsoft Office Suite (Word, Excel, PowerPoint)
- **Other Skills:** RESTful API Development, UI/UX Design, Agile Methodologies, Infrastructure as Code (IaC), Bash Scripting, Version Control, Debugging & Troubleshooting, Code Deployment