






Sindhu Yalamati

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EDUCATION

University of Nevada, Reno <i>Masters in Computer Science</i>	2024-present 3.9/4
Sasi Institute of Technology and Engineering <i>B.Tech in Computer Science and Engineering</i>	2019 - 2023 3.56/4

EXPERIENCE

Graduate Research Assistant — Full-Stack Development <u>UNR</u>	August 2025 - Present
<ul style="list-style-type: none">Developed the full-stack environmental monitoring platform end-to-end, from local builds to scalable AWS deployment.Built a FastAPI backend with high-performance APIs for real-time sensor data ingestion, processing, and S3-based pipelines.Designed optimized PostgreSQL schemas for time-series and geospatial environmental datasets supporting fast analytics.Created interactive React dashboards with dynamic map-based visualizations aligned to Figma UI prototypes.Configured AWS workflows (EC2/S3/Route53/IAM) while collaborating with research teams to ensure data accuracy and stability.	
AI Software Development Intern — AIJINTSEE <u>Pluto in Aquarius LLC</u>	August 2025 - Present
<ul style="list-style-type: none">Built the end-to-end AI marketing automation pipeline including intake chatbot, strategy generation, and content workflows.Produced complete client Strategy Blueprints using SWOT, Blue Ocean, 7 Powers, and BCG framework analyses.Created brand personas, emotional identities, and SPARK-based messaging from structured client interview data.Planned 6-month campaign frameworks, 30-day content calendars, and LLM-powered post-generation workflows.Integrated LangChain + FastAPI pipelines with automation tools (Metricool, SocialBee, Publer) for scalable multi-client ops.	
Interface Designer Intern <u>SLEKE.</u>	June 2025 - August 2025
<ul style="list-style-type: none">Designed wireframes and interaction flows in Figma to define core user journeys for a minimalist mobile operating system.Created and refined mobile UI screens focused on accessibility, visual clarity, and modern minimalist UX patterns.Integrated third-party APIs and developed backend features using Spring Boot and PostgreSQL for core app functionality.Developed and deployed a live neumorphic UI system across Sleke screens while collaborating with developers for production assets.Conducted internal user testing and delivered a full design system including spacing, typography, icons, colors, and component rules.	
AI Prompt Engineer & Full-Stack Developer Intern <u>FoxTow, Inc</u>	March 2025 - June 2025
<ul style="list-style-type: none">Enhanced web application UI/UX using HTML, CSS, React, and Spring to improve design consistency, responsiveness, and usability.Developed new Kits features with full-stack technologies while integrating third-party APIs and backend logic in PostgreSQL.Improved navigation, state management, and overall performance through optimized React components and frontend debugging.Contributed to PostgreSQL database design, query optimization, and backend troubleshooting for stable, high-performance operation.Utilized Git/GitHub and Cursor AI tools for efficient version control, prompt engineering, testing, and automation workflows.	
QA and DevOps Engineer <u>Eficens System</u>	2021-2023
<ul style="list-style-type: none">Led the QA team for the real-time project <i>Flair</i>, overseeing end-to-end testing and ensuring stable, high-quality releases.Developed automated test scripts using Selenium and Robot Framework while enhancing QA coverage and early bug detection.Designed and maintained Jenkins CI/CD pipelines to automate build, test, and deployment workflows for smoother releases.Utilized Terraform IaC and AWS deployments to provision scalable environments and maintain high availability with the DevOps team.Used GitHub for version control and streamlined QA workflows, automation, and monitoring.	
<h2>PROJECTS</h2>	
Portfolio Website Development Personal Project <u>Live Demo</u>	2025
<ul style="list-style-type: none">Designed and developed a responsive personal portfolio website using HTML, CSS, JavaScript, and React.Focused on UI/UX best practices, creating a clean and user-friendly interface optimized for desktop and mobile devices.Utilized Git and GitHub for version control and collaborative code management, ensuring project organizationDeployed the website on Vercel for seamless hosting and continuous deployment, ensuring fast load times and high availability.	
Territory Maker - Interactive Web GIS Application <u>Code</u>	2025
<ul style="list-style-type: none">Developed a full-stack ZIP code territory management app using React, Leaflet.js, Supabase, and TypeScript.Implemented dynamic ZIP code boundary loading, real-time territory creation, and smooth map interactions optimized for performance.Enabled users to define territories by selecting ZIP codes directly on an interactive map, with clear visual indicators.Optimized data fetching and map rendering to handle large datasets efficiently, ensuring responsiveness across the entire United States.	
E-Commerce Web Application Course Project (Database Management Systems) <u>Code</u>	2024
<ul style="list-style-type: none">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.	

SKILLS

- **Programming Languages:** Python, JavaScript (ES6+), TypeScript, C
- **Backend APIs:** FastAPI, Flask, Node.js, Spring Boot, REST APIs, Authentication, WebSockets
- **Frontend Development:** ReactJS, Next.js, HTML, CSS, Tailwind CSS, Responsive UI Components, Modern UI/UX Practices
- **Database Technologies:** PostgreSQL, MySQL, Firebase, SQL (queries & indexing), Time-Series & Geospatial Modeling
- **Cloud & DevOps:** AWS (S3, EC2, Route53, IAM), Vercel, Supabase, Ngrok, Docker, Jenkins, Terraform, Git/GitHub, CI/CD, IaC
- **Testing & Automation:** Selenium, Robot Framework, Automated Testing, QA Processes, Debugging & Troubleshooting
- **AI & Data Tools:** Prompt Engineering, GPT-based Automation, Pandas, Cursor AI, Bolt.diy, AI Workflow Integration
- **UI/UX & Visualization:** Figma (systems, wireframes, prototyping), Leaflet.js, Interactive Maps, Tableau, Postman, VS Code
- **Other Skills:** Linux, Windows, Agile Methodologies, Bash Scripting, Production Deployment Workflows