**Sandilya Mekala**

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**SUMMARY**

Seeking full-time Software Developer/ Front End engineer opportunity with 3+ years' experience in React, JavaScript, HTML, and CSS as Associate developer leading teams and software development in agile framework. Continuous learning of new technologies as IT student.

**PROFESSIONAL EXPERIENCE**

**Engineering Volunteer** **February 2025 – Present**

**AiGenie – PTP at Arizona State University** **Tempe, Arizona, US**

* Enhanced student regional learning using OpenAI API for chat bot with custom react chat component for 25% reusability.
* Coded avatar character with react-three package to improve interaction with user in teaching, answering questions by 20%.

**Associate (Senior** **Developer)** **July 2020 – July 2023**

**Cognizant Technology Solutions** **Bangalore, Karnataka, India**

* Architected user-friendly web applications for 2+ clients internationally with React, delivering scalability and accessibility.
* Employed agile methodology to improve workflows, utilizing Docker for 10% faster local development.
* Accelerated milestones and recognized by customers for incorporating 90% of feedback with internal framework components.
* Optimized test accuracy by 80% in Azure Board, deploying UI across 4 phases with Azure Pipelines and Git for version control.

**Intern** **December 2019 – April 2020**

**Cognizant Technology Solutions** **Hyderabad, Telangana, India**

* Customized two single-page web applications using MaterialUI, d3.js, Ag Grid libraries.
* Designed UX wireframes to follow SEO principles, which incremented performance by 50%.
* Applied JavaScript, ReactJS, advanced concepts of React Hooks, Redux, creating 1 internal Proof of Concept automation project.
* Managed project planning to provide KT and JIRA tracking, promoting customer satisfaction rates by 20%.

**PROJECTS**

**ReadySetGo (React, JS, CSS, AWS) - Hackathon** **April 2025**

* Developed responsive application with AWS Polly and Cognito for WebGL 3D interactive speaking avatar.
* Refactored functionality with GPT-4 API chatbot to schedule daily activities as helper for special needs.

**AI for Export Compliance - Academic with Honeywell** **August 2024 – December 2024**

* Implemented AI systems solution pitch with Honeywell to prevent export data penalties, averaging $46 million.
* Communicated with 10+ industry professionals, including CISO of Maricopa County, as part of customer discovery.

**Curation - FM Global** **May 2021 – March 2023**

* Collaborated with cross-Functional team to share Azure B2C login portal across 2 applications and GraphQL to fetch data from endpoints.
* Documented solution for 6+ screens using custom components for customer experience of eCommerce sites.

**REP Distribution - Walmart** **August 2020 – April 2021**

* Created dashboard screens for retail in-store management, increasing 15% of tracking assets to order low stock products.
* Implemented unit test cases using JEST/Enzyme by 80% cleaner pipelines for Azure DevOps through GitHub.

**WORK EXPERIENCE**

**Grader/Teaching Assistant (16hrs/****week)** **August 2024 – December 2024**

**Arizona State University** **Tempe, Arizona, US**

* Guided 90 students in coursework to provide detailed feedback to students.
* Mentored in 20+ assignments with office hours, improving class performance by 10% in final test.

**education**

**Master of Science,** Information Technology **December 2024**

**Arizona State University -** Tempe, Arizona, US GPA: **4.0**

* New American University (**NAmU**) scholarship recipient
* AZNext Career Leadership Fellowship recipient – IBM, AWS cloud professional skills development
* **Relevant Coursework:** Principles of Computer Architecture, Cloud Architecture, Technology Innovation Lab, Advanced Databases

**Bachelor of Technology,** Computer Science & Systems Engineering **April 2020**

**Sree Vidyanikethan Engineering College -** Tirupati, Andhra Pradesh, India GPA: **3.6**

* **Relevant Coursework:** Web Technologies, Data Structures & Algorithms, Database Management Systems, Operating systems

**technical skills**

* **Frontend:** HTML5, CSS, ES6, JavaScript, ReactJS, Redux, JEST, Enzyme, Figma
* **Backend:** Java, Python, GraphQL
* **Databases:** MySQL, Microsoft SQL Server
* **Cloud:** Microsoft Azure (AZ900 certified), AWS (Cloud Operations, Security Foundations)