Siddhi Sai Srikar Veeranki

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Education

Texas A&M University, College Station, TX **Expected May 2027**

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures, Discrete Structures, Linear Algebra, Computer Organization, Operating Systems

Clubs: Aggie Coding Club, Aggie Competitive Programming Club

Technical Skills

Languages: Python, JavaScript, Java, HTML/CSS, C++, SQL
Frameworks/Libraries: Django, React, Next.js, Material UI, Tailwind, Tkinter, NumPy, Matplotlib
Technologies: Git, GitHub, Visual Studio Code, Jupyter, PyCharm

Projects

FindIt A&M | *React, CSS, HTML* **Oct 2024**

- Developed the front-end for FindIt A&M using React, HTML, and CSS to facilitate easy location of niche items and spaces across campus.
- Developed a responsive design ensuring seamless user experience across mobile, desktop, and tablet devices.
- Showcased real-time updates on resource availability by collaborating with the backend team to develop supporting APIs, ensuring students were accurately informed of campus changes.
- Presented the beta prototype to students, incorporated positive feedback, and refined the design for enhanced usability.

AggieAce | *Next.js, Material UI, Tailwind CSS* **Sep 2024**

- Awarded **1st place** for best Innovative Academic Application out of **127 student participants** at the HowdyHack Hackathon 2024
- Developed a web application that converts course syllabi into ICS files, automating calendar creation and saving students **5-10 hours per semester.**
- Designed and implemented a responsive, user-friendly interface using Material UI and Tailwind CSS to create a school-themed user experience.
- Proposed plans to enhance the interface for syllabus retrieval via web scraping to **10 professors and 100 students**, including adding features for user experience and mobile app development.

Tic-Tac-Toe vs AI | *Python, Minimax Algorithm, Tkinter* **July 2023**

- Achieved **95%** win/draw rate by implementing recursive Minimax with pruning for optimal decision-making
- Leveraged built-in Python libraries to handle game logic, randomization, and win-lose detection
- Enhanced gameplay by focusing on the accuracy and efficiency of AI moves to ensure maximum difficulty

Digital Alarm Clock GUI | *Python, Tkinter* **June 2023**

- Built a functional alarm clock application using Tkinter, enabling users to set and manage alarms easily
- Integrated sound notification features to alert users at the designated alarm time
- Designed an intuitive user interface displaying real-time updates of the clock and alarm settings
- Used by **20+ classmates** to manage their alarms and visualize real-time clock updates, and received positive feedback

Leadership

Front-end Lead (FindIt A&M) **Oct 2024**

Texas A&M University

- Led a team of **4 front-end developers**, coordinating tasks and driving progress to meet project deadlines while ensuring effective communication within the team
- Oversaw the development of key UI features, focusing on creating responsive, user-friendly designs that improved the overall user experience
- Mentored entry-level developers in HTML and CSS, helping them build their skills and encouraging the adoption of front-end best practices