Pranavsai Gandikota

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Education

Bachelor of Science in Computer Science
University of Central Florida, Orlando, FL
August 2024 - May 2028 | GPA: 4.0

Experience

Research Assistant (VR and Human Computer Interaction Lab)   September 2024 – Present
University of Central Florida, Orlando, FL

- Assisted PhD researcher in conducting user studies for VR Sensor Awareness project.
- Authored in SIGGRAPH paper submission for 3D Scene Generation from natural language
- Implemented QLORA fine tuning and weighted use of models for optimization of survey LLM
- Working on finding ways to further improve previously made survey LLM and implement in VR

Diwali and Banquet Director – Indian Student Association UCF   June 2025 – Present
University of Central Florida, Orlando, FL

- Organizing and maintaining the structure of the event operations for smooth execution.

Cultural Secretary (Student Government)   June 2022 – April 2023
Ithaka International School, Nellore, India

- Initiated and led the science/tech fairs, cultural festivals, and sports competitions for all students to cater to student interests. Showcasing leadership skills, collaboration and teamworking with the student government.

Projects

Freelance Game and App Developer | *C#*   June 2019 – Present

- Developing and publishing PC games on Itch.io as well as simmer.io and mobile apps on the Google Play and Amazon Store made in Unity using *C#*; Titles include *Jenny's Playtime*, *Jumblehot*, and *Speakly*
- Gained experience in concept design, programming, asset creation, testing, and deployment

Vision – Knight Hacks VII Hackathon (Honorable Mention for Best Overall) | *Python, OpenCV*   4th – 6th October 2024

- Developed a Python app to empower users with limited mobility to express their creativity by drawing on a virtual canvas using eye tracking and voice commands. Integrated Python libraries into a cohesive project.

Freedom Finances – Shell Hacks 2024 Hackathon Project | *HTML/CSS, ReactJS, Bootstrap*   27th – 29th September 2024

- Developed and published a debt management website using React to interpret your bank statements and offer personalized debt management suggestions aimed particularly at underrepresented communities

Achievements

National Space Society Space Settlement Contest 2022 (First Prize)   December 2022- February 2023

- Developed comprehensive 50-page research document on sustainability, space habitation and resource management and presented an oral and poster presentation to industry professionals at 2022 ISDC

- **President's Honor Roll -** Fall 2024, Spring 2025

Skills

- **Computer Skills:** C (intermediate), HTML, CSS, Beginner in: Python, MySQL, React, JavaScript, Angular, C#
- **Languages:** Fluent in speaking, reading, writing English and Telugu
- **Related Coursework:** CS1, Introduction to Discrete Structures