

Aditya Vardhan Pasumarti

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Education

University of Florida - Gainesville, FL

May 2027

Bachelor of Engineering in Computer Science

GPA: 3.75/4.0

- **Relevant Coursework:** Data Structures and Algorithms, Intro to Computer Organization, Fundamentals of Machine Learning, Programming Fundamentals 2, Data Science for ECE,

Skills

Technical: Java, C++, Python, Javascript, HTML, LaTeX, PostgreSQL, Django, MATLAB

Awards: Top 15 MAO Nationals in Analytic Geometry and History of Math, National Merit Scholarship Finalist, AP Scholar with Distinction (2020-2023), 2nd Degree Black Belt in Taekwondo, Eagle Scout with Bronze Palm

Languages: English (Native), Telugu (Native), Hindi (High proficiency), Spanish (Mid proficiency), Korean (Learning)

Projects

“Odd Jobs” Website (Python)

September 2023

- Developed a website for teens to find local, one-time jobs. Learned Python, Django, and PostgreSQL in the process, with some understanding of Javascript and HTML to connect the backend to the frontend, which was written in ReactJS

Minesweeper Game (C++)

December 2022

- Created flagging and timer features, with randomized bomb placement and user friendly interface
- Mastered pointers and manual memory allocation in C++

Image Processing (C++)

November 2022

- Analyzed different images by performing transformations and color changes
- Gained an understanding of the RGB system and how images are recorded and projected by computers

Maze Builder and Solver (Java)

April 2021 - May 2021

- Implemented DFS, BFS, and A* algorithms to build mazes and solve them in a grid, while also learning about other sorting algorithms such as mergesort and quicksort.

Professional Experiences

Eufinity Wellness Marketing Intern

June 2021 - October 2023

- Attended 2 business expos hosted by Synapse to attract 10+ investors as a company representative
- Designed and executed various marketing strategies, such as social media posts on Instagram and fliers in the community

LiDAR Project at UF

June 2022 - August 2022

- Interpreted point cloud information and conducted geospatial analysis on test recordings of traffic by identifying and adjusting cars, pets, pedestrians, and other objects. Assisted PhD student with his goal to improve traffic safety.

Involvements

Society of PC Building - General Board (Tech Team)

December 2023 - Present

- Worked on 12+ PC builds to set up UF's PC Game Room, created 10+ custom keyboard for the PC builds

Association of Computer Engineers (ACE) - Vice President

November 2023 - Present

- Adopted Workshop Chair duties to plan and organize 2-3 workshops for the semester.
- Increased member count and retention by 3x. Oversaw general marketing and social media tasks, participated in tabling

SASE Interns

September 2023 - Present

- Collaborated with 50+ motivated peers to develop leadership and team skills, through event generation and execution
- Pioneer events and activities to support engagement of 150+ members within the organization
- Coordinated across 9 groups to develop 9+ challenges/activities for the mentorship program among 200+ participants

SASE Engineering Team (Project Campus Cleaner)

September 2023 - Present

- Cooperating with team of ~20 engineering students to develop a robot that regularly cleans a part of campus
- Used modified A* algorithm to design a navigation algorithm for the robot in a subteam of 3 people

Boy Scouts of America

November 2016 - September 2023

- Headed 30 younger scouts to make 300 dog/cat toys out of old cloth for Project Canis, donated at the Humane Society
- Worked with State Park Rangers and volunteered to clear debris from trails after hurricanes, cut invasive plants on campouts

Elevate the Future - Director of Operations

August 2022 - May 2023

- Planned, organized, and presented 2-3 annual business, finance/economics, and computer science workshops to ~15 middle school students with a team of 5 other officers to foster understanding of career paths and advanced subjects