

Aryan Chand

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EDUCATION

Florida International University (FIU), Knight Foundation School of Computing and Information Sciences

Bachelor of Science in Computer Engineering, Expected Graduation: May 2027

GPA: 4.0/4.0

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, HTML, CSS, Lua

Developer Tools: Git, VS Code, Visual Studio, Firebase, Bash, Flask, React

Certifications: Microsoft Office Specialist: Master on Microsoft Office, Certiport IT Specialist in Java, Autodesk AutoCAD

EXPERIENCE

Florida Rocket Lab

Gainesville, FL

Director of Avionics

April 2024 - December 2024

- Guided a 12 member avionics team in the development of hardware and software systems, contributing towards the first full hot-fire test of a full rocket stack capable of approximately 500+ lb of thrust.
- Oversaw and actively contributed to the design and integration of custom PCBs, power systems, and telemetry units such as IMUs and Pressure Sensors to acquire precise positional and system data.

Undergraduate Embedded Systems Intern

January 2024 - March 2024

- Contributing to experiments aimed at enhancing Avionics and Control Systems with a focus on refining advanced pressure regulators and control surfaces.
- Involvement in a pioneering project using Zephyr RTOS on an STM32F103C8T6 “Blue Pill” for a dome loaded pressure regulator.

LEADERSHIP & INVOLVEMENT

American Institute of Aeronautics and Astronautics (AIAA), UF Chapter

Gainesville, FL

Webmaster

January 2024 - November 2024

- Developed the UF chapter's AIAA website using React and Firebase allowing for improved control and analytics over the previous design.
- Enabling undergraduate students to explore and excel in aerospace interests through connectivity/software expertise.

IEEE Signal Processing Society at UF

Gainesville, FL

Founding Webmaster

July 2024 - October 2024

- Co-Founded a stance to teach and understand signal processing theory and application using tools such as OpenCV2 and mathematics based modeling and designing.
- Used past experience with web design to push campaigning for the signal processing society to new limits allowing for far greater member conversions with participation in workshops of 30+ students.

Lockheed Martin Industrial Mentorship Program

Selected Member

April 2024 - August 2025

- Handpicked as one of a select cohort of students to receive direct mentorship from Lockheed Martin engineers and project leaders.
- Participated in weekly technical deep dives and professional development meetings, acquiring important information from members in real-world defense and aerospace development.

NOTABLE PROJECTS

Autonomous Drone System

Miami, FL

Lead Electronics and Software Developer

August 2022 - July 2023

- Augmented open source drone designs to handle the implementation of LiDAR and a pressure spray for a painting quadcopter design to be awarded a US utility patent.