

Aryan Chand

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EDUCATION

University of Florida (UF), Herbert Wertheim College of Engineering
Bachelor of Science in Computer Engineering

Expected Graduation: May 2027
GPA: 4.0/4.0

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript (React), HTML, CSS

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

EXPERIENCE

Florida Rocket Lab

Gainesville, FL

Undergraduate Embedded Systems Intern

January 2024 - Present

- 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.

Florida International University School of Computing and Informational Sciences

Miami, FL

Software Engineer Intern

July 2022 - July 2023

- Implemented a linearization mathematical model utilizing survey data analysis to determine unsuccessful campaigns yielding an annual cost savings of \$200,000 per academic year for FIU admissions
- Utilized React libraries and CSS3 to design a feature, resulting in an efficient tool for FIU Admissions administrators and FIU SCIS Researchers.

Freelance Web Development

Remote

Solo Full-Stack Web Developer

June 2018 - Present

- Immersed in a React Web development for fast, expert level websites. 5 star reviews from all 28 past customers with an average turnaround time of 12 days
- Incorporated Google's Firebase Backend as a Service for realtime backend operations and user authentication.

INVOLVEMENT

American Institute of Aeronautics and Astronautics at UF

Gainesville, FL

Webmaster

January 2024 - Present

- Enabling undergraduate students to explore and excel in aerospace interests through connectivity/software expertise.
- Developed the UF chapter's AIAA website solo using React and Firebase.

IEEE Signal Processing Society at UF

Gainesville, FL

Founding Webmaster

July 2024 - Present

- 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.

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.

ADDITIONAL

Awards: AP Scholar With Distinction, BrightFutures Academic Award

Languages: English (native), Hindi (proficient)