

Aryan Chand

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Education

University of Florida

Bachelor of Science in Computer Engineering

Gainesville, FL

MAY 2027

Florida International University

Bachelor of Science in Computer Engineering and Embedded Systems Engineering

Miami, FL

MAY 2027

Skills

Programming C/C++, Python, HTML5/CSS3/JS, Java

Tools Git, Docker, VS Code, Linux (Ubuntu + Hyprland), Firebase, React/React Native

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

Experience

Florida Rocket Lab

Co-Director of Avionics

Gainesville, FL

APR 2024 – DEC 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 printed circuit boards, power systems, and telemetry units such as inertial measurement units and pressure sensors to acquire precise positional and system data.

Undergraduate Embedded Systems Intern

JAN 2024 – MAR 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.

Freelance Web Development

Full Stack Web Developer

Remote, International

JUN 2018 – PRESENT

- Immersed in React and React Native web development for fast and professional websites. 5 star reviews from all 26 past customers with an average turnaround time of 14 days.
- Incorporated Google’s Firebase Backend as a Service for real-time backend operations and user authentication.

Leadership and Involvement

Lockheed Martin Industry Mentorship Program - *Selected Member*

APR 2024 - AUG 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.

IEEE Signal Processing Society at UF - *Founding Webmaster*

JUL 2024 - NOV 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.

American Institute of Aeronautics and Astronautics at UF - *Webmaster*

JAN 2024 - NOV 2024

- Coordinated and managed the chapter’s event calendar, ensuring alignment with UF AIAA’s mission and objectives.
- Scheduled and organized regular meetings, workshops, and events, facilitating effective communication among members and external stakeholders.

Noteable Projects

Math Club Website PHP Hot-fix

AryanChand753/MAO-Management

Implemented and improved a legacy PHP/SCSS club-management website by quickly adapting to an unfamiliar coding style—refactoring front-end styles, applying configuration and SQL fixes, and committing targeted bug and UX fixes to restore functionality and polish admin workflows.