

# Arjun Chati

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**OBJECTIVE:** Undergraduate in Electrical & Computer Engineering looking for an internship for Summer 2025.

## EDUCATION

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**The University of Texas at Austin - Cockrell School of Engineering**

**May 2028**

*Department of Electrical & Computer Engineering*

Technical Core in Computer Architecture and Embedded Systems

Overall GPA: N/A

**Relevant Coursework:** Circuit Theory, Embedded Systems, Multivariable Calculus, Differential Equations

## WORK/PROFESSIONAL EXPERIENCE

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**Hardware Research and Design Team – Texas Aerial Robotics, Austin, TX**

**September 2024 – Present**

- Competed in the **Raytheon Autonomous Vehicle Competition** as a member of the TAR Hardware Team
- Co-Led a small research team and managed a \$2500 budget as part of combat drone development
- Designed mass-optimized drone frames with **Fusion**, as well as **KiCad** and **LTSpice** for electronics design
- Led materials testing in 3D printed **Carbon Fiber Nylon** to ideate improved thermals and drone structure

**Firmware Development Division – IEEE Robotics and Automation Society; Austin, TX**

**September 2024– Present**

- Implemented a Subsystem Amputation failsafe for the UT **DJI Robomaster Robotics Competition** team
- Worked with **Git**, **GitHub**, **Linux**, and VM container applications across a large-scale software product cycle
- Appended UAV C++ libraries to improve the pilot-side HUD interface and relay subsystem diagnostic data

**Sales Associate - Campus Computer Store; Austin, TX**

**August 2024 – Present**

- Part of the **Apple SEED** product excellence program for enhanced Apple Sales and product knowledge
- Researched current advances in consumer technology and how they applied to a growing student body
- Ran consumer facing technical service and support for various departments and independent customers

## LEADERSHIP EXPERIENCE

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**Prosper Marching Band - Drum Major; Prosper, TX**

**May 2020 – May 2024**

- Coordinated a collaborative team of Drum Majors and developed seasonal schedules/objectives
- Established networks of connection between over 300 students, directors, and sponsors
- Conducted and Performed at State and National level with near consistent finalist placements

**Leadership Intern/Teacher – NIHF Camp Invention; Prosper, TX**

**May 2021 – August 2024**

- Led students ages 6-10 through STEM courses developed by the Army Educational Outreach Program
- Instructed classes of 20+ elementary students of diverse backgrounds and special educational needs
- Worked on 30+ child-oriented modules covering hobby electronics, ecological systems, and basic robotics

## SKILLS

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**Programming Languages:** Python, C++, Java, HTML/CSS/JS, LC3 Assembly

**Languages:** Hindi (Fluent)

**Soft Skills:** Project Leadership, Collaborative Environments, Instructional STEM, Product Development

**Certifications:** IBM Intro to Hardware/Operating Systems, Apple Search Ads, Databricks for Data Engineering

## ACCOMPLISHMENTS & AWARDS

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Tammy Wade Meyer Music Scholarship Recipient (2024)

National Merit Commended (2023)