

# Aniketh Tarikonda

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## PROFILE

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A current Computer Engineering undergraduate with experience in embedded systems, and interested in working on problems involving embedded systems, digital design, verification, and back-end development.

## EDUCATION

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### University of Illinois, Urbana-Champaign

**Expected May 2028**

*BS, Computer Engineering*

*Champaign, IL*

*Honors: James Scholar, Dean's List (Fall 2024 - Present)*

- Cumulative GPA: 3.93/4.0
- Relevant Coursework: Introduction to Computing, Computer Systems & Programming
- Member of SIGARCH, SIGPWN, and the Eco Illini Supermileage team

## EXPERIENCE

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### Eco Illini Supermileage

**Aug. 2024 - Present**

*Electrical Engineer*

*Champaign, IL*

- Developed Schematics, PCBs, for 2+ boards—including the power distribution unit and battery management system—with Altium Designer and KiCAD.
- Wrote embedded software for STM32-based microcontrollers, using various communication protocols like SPI and CAN.

### Alameda County Informational Technology Department

**Jun. 2022 – Aug. 2022**

*IT Intern*

*Oakland, CA*

- Led the migration of employee data and customer service requests from Axosoft to Atlassian Jira.
- Migrated over 2000 current and archived requests between platforms through the use of RESTful APIs.
- Coordinated with various subteams throughout the department in order to ensure all previously-used features would be preserved.
- Participated in daily standup meetings, and prepared presentations regarding the migration.

## VOLUNTEER EXPERIENCE

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### ACE Coding Club

**Jun. 2021 – May 2024**

*Member*

*Pleasanton, CA*

- Taught middle-school students programming languages, including C++ and Python.
- Organized events and discussions regarding basic Machine Learning principles, ethics, and implementation.

## PROJECTS

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### Rocketry

- Designed and built model rockets for both personal and high school activities.
- Integrated microcontrollers, primarily the ESP32 and Arduino Nano, into several rockets; designed embedded systems to record sensor data and telemetry.
- Member of the National Association of Rocketry

## **File-Hosting Software**

- Created a full-stack, RESTful application with Java Spring, PostgreSQL, and Next.js in order to host personal files.
- Deployed the application through a self-hosted, Cloudflare-protected domain.

## **SKILLS**

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**Programming Languages:** Java; C/C++; Python; Verilog/SystemVerilog; PowerShell; Java; Javascript;

**Tools:** Git; Vivado; Vitis; STM32; ESP32/8266; FPGA; Java Spring; Jira;

**Soft Skills:** Time management; public speaking; collaboration; problem solving;

**Languages:** English (native); Kannada (limited working proficiency); French (limited working proficiency);