Aadhavan Srinivasan

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EDUCATION

Purdue University - West Lafayette, IN   **Aug 2023 - present**
Sophomore - Computer Engineering, minor in Global Engineering Studies   **GPA: 3.92 / 4.0**

TECHNICAL EXPERIENCE

Purdue IEEE   **Aug 2024 – Dec 2024**
Software Saturdays Chair
- Organized and taught an 8-week supplemental course on Linux and Bash, on behalf of Purdue IEEE and the Purdue College of Engineering.
- Held weekly lectures and designed quizzes and assignments, enabling students of all majors to learn programming skills.

EVEI - Purdue EPICS   **Jan 2024 – May 2024**
Geofence -Team Member
- Collaborated on an EPICS (Engineering Projects in Community Service) team at Purdue, designing geographic boundary sensors.
- Utilized a Raspberry Pi Pico and an Inertial Measurement Unit to design a boundary-detection apparatus algorithm in Python accurate to 10 cm, improving safety in the High School EV Grand Prix.

IMS - Purdue EPICS   **Aug 2023 – Dec 2023**
Senior Design – Project Archivist
- Helped design a website to facilitate communication between senior-year students and faculty members.

PROJECTS – https://gitea.twomorecents.org/Rockingcool

- **ccat** – A command-line syntax highlighting tool, written in Go.   **Jul 2024**
- **sitegen** – A Static-Site Generator written in Bash, enabling creation of web pages without code.   **Jan 2024**
- **netpong** – A network-based Pong game in C++.   **Jan 2024**
- **easysock** – A C library that simplifies the process of creating network-based applications.   **Mar 2023**
- **basicproxy** – A TCP network proxy written in C, that relays data from one device to another.   **Feb 2023**
- **ted –** A simple text editor in C.   **Oct 2022**
- **flEx** – A text-based File Explorer in C.   **Oct 2022**
- Host a Raspberry Pi Linux server, that runs a website, an email server, DNS and Messaging server.   **since 2022**

HONORS and CERTIFICATIONS

- Dean's List and Semester Honors   **Fall 2023, Spring 2024**
- Certifications in Cybersecurity and Networking from Certiport   **Mar 2023**

ACTIVITIES and HOBBIES

- Purdue IEEE - Computer Society   **Spring 2024, Fall 2024**
- NASA Texas High School Aerospace Scholars Program   **Summer 2023**
- Programming in C, C++, Java, Bash, Go, Python, HTML/CSS and Javascript.
- Blogging, soccer, playing guitar, working out.