Aadhavan Srinivasan

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EDUCATION

Purdue University - West Lafayette, IN

Junior - Computer Engineering, minor in Global Engineering Studies

Graduating Spring 2027

GPA: 3.88

WORK EXPERIENCE

GE Appliances, a Haier Company

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Jan 2025 – Aug 2025

Embedded Software - Commercial AC

- Took full ownership of a feature to lock out heat pump operation at a temperature threshold, to comply with NYC building regulations.
- Directly helped the company unlock a new market, with the potential for millions of dollars in revenue.
- Implemented the feature, along with a setting to modify this threshold on the unit's user interface.

Embedded Software - Refrigeration

- Implemented modules to calculate power consumed by various components.
 - Designed a module to notify service technicians of low dispenser flow rates, improving service efficiency.
- Designed and implemented a plugin for future engineers to monitor the purge status of a dispenser.

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.
- Held weekly lectures, quizzes and assignments, enabling students of all majors to learn programming skills.

EVEI - Purdue EPICS (Engineering Projects in Community Service)

Jan 2024 - May 2024

Geofence -Team Member

- Collaborated on a team of engineers designing geographic boundary sensors.
- Utilized a Raspberry Pi Pico and an Inertial Measurement Unit to design a boundary-detection algorithm in Python accurate to 10 cm, improving safety in the High School EV Grand Prix.

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

• Indian Translate (https://indiantranslate.com) – A translation map of Indian languages.

Apr 2025

• **kleingrep** – A regular expression library written in Go, allowing advanced text search.

Oct 2024 - Feb 2025

• 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

• 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

- Programming in C, C++, Java, Bash, Go, Lua, Python, HTML/CSS and Javascript.
- Blogging, soccer, playing guitar, working out.