Ram Pillai

Machine Learning / AI Internships

👤 Profile

An aspiring engineer who is passionate about the application of AI, especially for improving access to STEM education. Avid blogger who simplifies complex STEM topics for a young audience. Looking for internship opportunities to deepen understanding of AI/ML.

🎓 Education

Liberty High School, Frisco

August 2021 — May 2025

- GPA: 5.11 (Weighted), 3.92 (Unweighted)
- PSAT: 1440 (National Merit Holder), SAT: 1510

Electives

PLTW Aerospace Engineering, AP Human Geography (5), AP World History (5), AP Physics 1 (4), AP Computer Science A (4), AP Capstone Diploma, AP Environmental Science, AP Physics 2, AP US History, AP Calculus BC, AP Statistics

💼 Employment History

Volunteer Tutor at CAD4Kidz, Frisco

December 2023 — Present

Organization that provides free online lessons for middle schoolers in India.

Lead weekly lessons guiding students on how to design models in TinkerCAD.

Contribute to designing the course material and content for effective online delivery.

Tutored 50+ students per class from rural Indian villages

Summer Intern at Aatoon Solutions, Cochin, India

July 2023

Held rotational roles in various departments including business development, programming, and deployment.

Learnt Django from the head of Web Development, and assisted in various projects using Python.

Researched new technologies and trends in the industry, resulting in improved processes and new ideas

E-commerce Assistant at Texila LLC., Richardson, TX

June 2022 — August 2022

Assisted with website development using Shopify. Built e-commerce storefronts using eBay, Amazon, and Etsy. Assisted with customer support and product dispatch.

Details

Frisco
United States
ramhpillai@gmail.com

Links

LinkedIn
Ram's STEM Blog
Aerospace Club

Programming Skills

Java - Proficient

Python - Proficient

HTML - Learning

CSS - Learning

Hobbies

Soccer, Violin, 3D Animation, Reading Literature

Languages

English - Fluent

Malayalam - Fluent

French - Working Prof.

Chinese - Beginner

Spanish - Beginner

Arabic - Beginner

✈ Extra-curricular Activities

President at Liberty HS Aerospace Club

November 2022 — Present

Founder and President. 50+ members. Taught aspiring aerospace engineers lessons on key aerospace engineering-related topics (lift/drag, control surfaces, rocket fuels). Conducted educational aerospace engineering activities.

Member at National Honor Society

Community Volunteering

50+ hours. Helped arrange events for local temple, schools, and other organizations.

Website Design Competition at Business Professionals of America

Designed a website for a competition

https://gamedaygrillliberty.netlify.app/

Battle of the Brains (Fall 23) at University of Texas at Dallas

Placed 26th in UTD's Battle of the Brain team coding competition.

USA Coding Olympiad

February 2024

Working towards rank Gold

✿ Training/Camps

8-week Deep-Dive AI Workshop, University of Texas at Dallas

June 2023 — August 2023

AggieSTEM Honor's Camp, Texas A&M University

July 2022

Computer Science Camp, Collin College

June 2022

FAA Part 107 Drone License Course, OBAP

September 2023 — December 2023

★ Research Projects

1. AP Seminar - The political and economical background behind nuclear energy and if it's a viable power source
2. AP Seminar - A political and economic evaluation of sustainable fuel sources for automobiles
3. AP Seminar - Building Resilience in Low-Rise Buildings against Earthquakes in Developing Countries
4. UT Dallas AI/ML camp - Identification of exoplanets' habitability using ML models
5. AP Research - Examining the Efficacy of Sudoku in Enhancing Sustained Attention among High School Students

◄ References

References available upon request