

Prithvi Sairaj Krishnan

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EDUCATION

- **University of Texas at Austin, Dec 2028** | Bachelor of Science in Electrical and Computer Engineering
- **Overall GPA (University):** 3.2 GPA
- **Relevant Classwork:** Intro to EE, Intro to Computing, IB Comp Sci. HL, AP Physics C, Calculus 2, Intro to Embedded Systems, Multivariable Calc, MIS, Differential Equations, Software Design Implementation, Lin Alg.

SKILLS AND INTERESTS

- **Technical:** AI, AWS, DS, SDLC, Comms., ML, Research, Agile, Prompt Eng., Algorithms, Testing, Prob. Solving, Pytorch, Agents, Agentic Workflows, Collaborate, RAG, Data Structures, Math, PM, Adaptive, Leader, Claude, API, Deployments, Scaling
- **Coding Languages:** Python, Java, React, SQL, C++, HTML, R, C, ARM Assembly, LC3 Assembly, JavaScript, C#, CSS, Ruby
- **Personal:** Karate (11 Years Experience - Black Belt), Scouts (11 Years Experience - Eagle Scout)
- **Language:** English, Tamil, Spanish, and Mandarin

PROJECTS

Research Intern | Inspirit AI

May 2023 - Jan 2025

- Patented an AI **Python** Image Processing Pneumonia Detector with 99% accuracy, Patent Number (**12190518**), showcased at a science fair, published with IEEE Xplore, and featured in 3 Inventor Podcasts such as Inventors Helping Inventors.
- Presented this research at the 2024 IEEE International Symposium of Networks, Computers, and Communications
- Collaborated with elite peers from UC Berkeley, Princeton, and Harvard to develop a smaller pneumonia detector achieving a 95% success rate during an Inspirit AI internship.
- Conducted a one-on-one **Python** research internship with **Vivek Shankar**, a Senior YouTube ML engineer, resulting in a web app to predict medical procedure costs. This project adheres to the Software Development Lifecycle and is published in Harvard's JEL.
- Produced **C++/DS** research on long term effects of autonomous vehicles in transportation and published it in 2024 IEEE SWC.

Founder | Trail2Tech, CodeClubAustin, Dev0ne Design

Jan 2023 - Present

- Directed the global expansion of Trail2Tech, managing operations across multiple locations.
- Led daily operations at Code Club Austin's main campus; featured on KUT in Austin.
- Increased enrollment to 200 students (1st to 6th grade) through strategic initiatives between the two nonprofits.
- Built strong relationships with parents and students while implementing a curriculum focused on **AI, Python, and Java**.
- Managed a Website Development Agency to help small businesses in the Austin area grow through more interactive websites.

PROFESSIONAL EXPERIENCE

Web App Dev Intern | Hey, Blue!

Jul 2024 - Aug 2025

- Developed **Full Stack SWE applications using Angular & HTML** at Hey, Blue! a company focused on fostering positive interactions between communities and police officers, improving access and trust through technology.
- Partnered with Walmart and Panasonic to enhance backend infrastructure and API endpoints improving data management, user authentication, and acquiring an important business understand as a Web App Intern.

Coding for Data Intern | The Global Career Accelerator

Jan 2026 - Present

- Applying Data Insights and Product Analytics skills in multiple Data Analytics projects with Intel, OpenAI, and Recording Academy (Grammy Awards) receiving multiple certifications utilizing **SQL, Python, Tableau, R and AI**.
- Grasping key **Data Probing skills** through individual teachings and gaining essential experience implementing those Data Analysis techniques tackling projects with records from global powerhouses YouTube, DoorDash, NBA, Lyft, Tiktok, etc.

HONORS

Aug 2022 - Present

- Published 3 Research Papers and Achieved Gold in **USACO** (USA Computing Olympiad) out of 4000 participants
- Ranked Semi-Finalist in the Stanford International Logic Olympiad and Qualified for AIME after competing in 2023 AMC
- Apple's Swift Student Tech Challenge Winner and Selected as a **TPC Reviewer** for multiple IEEE Xplore Conferences

VOLUNTEER WORK

Leader | Eagle Scout Service Project

Jul 2022 - Feb 2023

- Planned and executed a project with 20+ volunteers to construct signs along 5 miles of trails in a Cedar Park nature preserve.
- Coordinated with Cedar Park Parks & Rec. to ensure compliance with city guidelines and Lowe's to secure complete funding.