Aravind Arivudainambi

San Jose, CA | (408) 418-8893 | aravindkrishna.nambi@gmail.com
linkedin.com/in/aravindkrishna-arivudainambi-58602325a

Education

University of California, Los Angeles | Expected graduation 2030
Lynbrook High School, San Jose, CA | Graduated June 2026

Experience

ByAravind - Founder and Web Developer Dec 2022 - Jun 2026

- Designed and launched 5+ websites as a solo developer for school clubs, tutoring organizations, and small groups.
- Designed user interfaces and implemented website layouts for club and tutoring audiences.

Lynbrook Robotics - Software Member, Webmaster, Treasurer Sep 2022 - Jun 2026

- Applied machine learning to robot game-piece detection; led design and development of the 2024 scouting application
- Redesigned and maintained the team website; managed a $100,000 budget and raised $25,000 through fundraising and grant applications.

Welfie Schools - Intern Jun 2025 - Jul 2025

- Built a web platform combining four AI agents that generates personalized patient health infographics for doctors.
- Adapted generated content to patient age, medical literacy, and health needs.

Projects

ESG score prediction - Published research Oct 2025

- Evaluated five regression models on noisy company financial data to predict environmental, social, and governance scores.
- Published peer-reviewed research in the International Journal of High School Research.

Social media stock modeling - UC Santa Barbara Summer Research Academy Jun - Jul 2025

- Used machine learning and differential equations to study relationships between Instagram engagement, volatility, and company financial performance.
- Wrote a research paper and presented findings at a UC Santa Barbara research seminar.

Battle Angles - Hackathon project May 2026

- Built an LLM-powered system that generates custom reinforcement learning environments for disaster-response scenarios at the Google I/O Hackathon.

Ball tracking robot - Blue Stamp Engineering Jun 2024

- Built a robot with computer vision for ball tracking and a remote-control interface using Flask and Next.js; modified hardware to support the system.

Awards

- 9 hackathon wins, including NASA Space Apps 2023 Mountain House and East Bay Hacks 2025; NASA Space Apps Global Nominee for solar storm modeling.
- UCLA Irvine Foundation Alumni Scholarship: awarded for leadership and merit.

Skills

- Languages: Python, Java, JavaScript, C++, Rust
- Frameworks and tools: Next.js, Flask, PyTorch, Figma