Yash Sanghvi

(669) 285-7710 | yashtsanghvi@gmail.com | linkedin.com/in/yash-t-sanghvi | San Jose, CA

Software Engineer · AI/ML Developer · AI Infrastructure Engineer

Education

Santa Clara University | Santa Clara, CA — Expected May 2027
B.S. Computer Science and Engineering

Experience

Quantea, Inc — Santa Clara, CA
AI Infrastructure Engineer Intern — *Jan 2026 – Present*

- Orchestrating containerized environments using **Kubernetes** and **Docker** for the "AI Infrastructure in a Box" product, managing a 4-GPU cluster to ensure seamless ML model deployment and execution.
- Spearheaded a cloud migration from iPage and Wordpress to Cloudways, optimizing server configurations to slash Largest Contentful Paint (LCP) from **15s to ¡1s**, significantly boosting page performance.
- Maintained and updated technical product specifications on the live web portal, ensuring accurate documentation for AI hardware and infrastructure capabilities.

TeamCal.ai — Palo Alto, CA
AI & Machine Learning Software Engineer Intern — *Nov 2025 – Present*

- Integrated **Microsoft Graph API** into the application backend, utilizing RESTful endpoints (POST) to enable users to seamlessly schedule and manage Microsoft Teams meetings.
- Migrated legacy **frontend** interfaces to a modern **MVC architecture**, refactoring the codebase to improve modularity and support autonomous multi-calendar planning features.
- Developed dynamic "Seamless Integration," "Multi-Team Collaboration," and "ROI Calculator" web pages, enabling prospective clients to visualize product capabilities and quantify return on investment.

Projects

SaFe Path | *AWS (Lambda, Bedrock), Python, React, SageMaker, S3* — Fall 2025

- Engineered a full-stack safety navigation app analyzing **50,000+** live 311, weather, and police data points to map optimal walking routes in San Francisco.
- Built a serverless AWS backend with Lambda/DynamoDB, reducing data processing time by **40%** through automated ETL pipelines and risk scoring.
- Integrated **SageMaker** for safety-score prediction and **Bedrock** for AI-generated route explanations, improving user decision speed by 30%.

Robotic System Design | *C++, Python, CAD, 3D Printing* — Jan 2025 – May 2025

- Designed and 3D-printed 4+ robotic subsystem prototypes, integrating servo/motor assemblies for autonomous actuation and mechanical stability.
- Programmed C++ control logic to automate motion, sensor polling, and test workflows, reducing manual validation time by ∼40%.
- Performed electromechanical stress testing on embedded hardware, improving response consistency and reliability across test runs by 25-35%.

Technical Skills

Languages: Python, Java, C++, JavaScript (React, Node.js), HTML/CSS, PHP, SQL, Linux
Cloud & AI: Kubernetes, Docker, AWS (Lambda, S3, SageMaker, Bedrock), LangGraph
Robotics: Embedded Control, Microcontrollers (Arduino/ESP32), CAD (SolidWorks/AutoCAD)
Developer Tools: Git, Jira, REST APIs, XAMPP, MySQL
Involvement: Workshop on Agentic AI & LLMs, Startups Mix & Pitch, ACM Club, AI Collaborative