

Aryan Patel

HIGH SCHOOL JUNIOR

OBJECTIVE

Motivated high school student with experience in software development, data analysis, and robotics, looking to apply computational skills to solve meaningful, real-world problems. Eager to contribute and grow through hands-on experience in a professional setting.

EXTRACURRICULAR ACTIVITIES

December 2025–Present | Frisco, TX

Founder, BioServe (nonprofit)

- Co-founded nonprofit focused on pre-med education and biomedical engineering; developing Python/data analysis bootcamps and coordinating health volunteering partnerships with local medical facilities
- Organizing webinar series starting March 2026 on pre-med pathways; recruited 30+ high school students and created presentation materials on STEM careers in medicine

September 2024–September 2025 | Milpitas, California

Secretary Of Operations, FYN (non-profit tutoring business)

- Designed and taught 12-week Python bootcamp for 20 elementary/middle school students, covering foundational programming concepts and generating \$400 in revenue
- Developed full-stack website (TypeScript/HTML/CSS frontend, Python/AWS backend) for registration, payment processing, and content delivery
- Managed business operations: marketing, student recruitment, scheduling, parent communication, and financial tracking

August 2024–August 2025 | Milpitas, California

Code Lead, Milpitas Xtreme Robotics

- Led FTC robotics software development; programmed autonomous, teleop, and visual processing systems in Java
- Led 5 weekly Scratch workshops teaching 100 elementary/middle school students programming fundamentals through hands-on projects; mentored 5 team members in Java



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EDUCATION

Lebanon Trail High School,
Frisco, TX (current)

Expected Graduation: May 2028

Reedy High School,
Frisco, TX
2025-2026

Milpitas High School,
Milpitas, CA
2024-2025

Advanced Coursework:

Calc 3, Diff Eq., Advanced Computer Science III (Post-AP Java), AP Physics, AP Biology, Chem Adv

Projects

Autonomously Driving Bot

Built autonomous robot integrating Arduino/Raspberry Pi; implemented pathfinding algorithms using ultrasonic sensor data for environment mapping and obstacle avoidance

People Counter App (Kotlin)

Built Android app using computer vision for automated people counting to enforce COVID-19 capacity limits; implemented real-time tracking and alerts

Technical Skills

Python, Java, C++, TypeScript, Kotlin, HTML/CSS, AWS, Git, Arduino, Raspberry Pi

