

SHIVANG PATEL

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EDUCATION

Ardrey Kell High School, Charlotte, NC

06-2028

Unweighted GPA: 4.00

Relevant Coursework: [Python Programming](#), [AP Computer Science P](#), [AP Computer Science A](#), [AB](#) | [BC Calculus](#)

SKILLS

Programming Languages: [Python](#), [Typescript](#), [Javascript](#), [Java](#), [SQL](#), [SwiftUI](#), [Rust](#), [Swift](#), [C](#), [C++](#), [Go](#), [Kotlin](#)

Technologies: [Git](#), [React](#), [Firebase](#), [Node.js](#), [Vercel](#), [Supabase](#), [Next.js](#), [Docker](#), [PostgreSQL](#), [Redis](#), [React Native](#), [Expo Go](#), [XCode](#), [Clerk](#), [Neon](#), [Scikit-learn](#), [DrizzleORM](#), [Arduino UnoR3\(C, C++\)](#)

Certifications: [AWS Machine Learning](#), [IBM AI Fundamentals](#), [PCEP Certified](#), [IT Specialist Certiport](#), [Anthropic Claude in Action](#), [IBM Cloud Computing](#)

EXPERIENCE

YETI Robotics 3506, Charlotte, North Carolina

August 2025 - Present

Fullstack Web Development Lead Engineer

- Enabled data-driven match strategy for a 500+ member scouting community by building and self-hosting North Carolina's #1 scouting platform using Next.js, Drizzle ORM, PostgreSQL, and Self deployed on Portainer.
- Designed data pipelines used by drive teams and strategists that contributed to the team reaching the World Championship and winning the Hopper Division.

STEM-E, Remote

December 2025 – Present

Backend Mobile Application Engineer

- Developed a React Native and Firebase app for 300+ members, integrating authentication, onboarding, and volunteer hour tracking to improve accountability and engagement.

PROJECTS

Charlotte Student Hub | [Typescript](#), [Firebase](#), [React](#), [Prisma](#), [Leaflet](#), [Vercel](#), [Recharts](#), [REST API](#), [Tailwind CSS](#), [Zod](#), [Zustand](#), [Supabase](#) Other Version

11/2025 - Present

- Built a platform connecting Charlotte-area students with clubs, hackathons, and community initiatives, attracting 300+ users after launch.
- Developed interactive event discovery features using Firebase, React, Prisma, and Leaflet.
- Live Demo: <https://www.youtube.com/watch?v=ba-D4jYn76M&t=270s>

SportsMed AI | [SwiftUI](#), [Ollama](#), [Healthkit](#), [Firebase](#), [XCode](#), Congressional App Challenge Project

05/2026 - Present

- Developing an AI-powered sports medicine assistant designed to help student athletes assess injuries, understand recovery protocols, and access personalized rehabilitation guidance.
- Built a native iOS application using SwiftUI, integrating OpenAI models to generate contextual injury insights and conversational support for users.

LEADERSHIP & COMMUNITY INVOLVEMENT

Computer Science Club, Charlotte, North Carolina

Vice President

- Founded and maintained an open-source GitHub organization where members collaborate on club projects, practice industry-standard workflows, and contribute through pull requests and code reviews.