

SAARTH RANKA

EDUCATION

Monta Vista High School · Cupertino, CA

Class of 2030

Grade 9 · Accelerated placement in Algebra 2/Trigonometry and Spanish 2 · Coursework in Java and Biology

EXPERIENCE

DeepAware AI (Y Combinator S25) · Robotics Intern · San Francisco

Jun – Aug 2026

- Built motor control and teleoperation software for the OpenArm robot arms, including teleoperation driven from a Meta Quest; shipped the control repository to clients with an emergency motor-kill hotkey.
- Built waypoint navigation for a Unitree Go2-W quadruped after the vendor lidar stack could not self-localize, and delivered the demo solo to a visiting client engineer.
- Consolidated a fragmented multi-repository codebase into one robot control repo with a required-review workflow. Presented the robot arm to roughly 200 people at the company Builders Conference.

Frizzle (Y Combinator S25) · Software Intern · Remote

May – Aug 2026

- Built WarmStack, the company's cold-email infrastructure (domains, mailboxes, deliverability) at roughly 1,000 emails per day, then ported it into the main product.
- Launched a live campaign for a public school district client, reaching about 600 of 1,091 contacts in 48 hours. Built a grant scraper and shipped an AI humanizer with a plagiarism checker.

MUSIC & PERFORMANCE

Tabla Performer · Tabla Niketan, Cupertino · under Shri Satishji Tare

2016 – Present

- **Silver Award — City of Cupertino Emerging Artist Award 2024.** Chosen by the city's Arts and Culture Commission as one of three winners, at age 12.
- **2nd Place — Chaitradhun 2025,** Maharashtra Mandal Bay Area's annual music competition (25th year).
- Most Promising Young Artist — Jain Got Talent (International) 2021. People's Choice — YJA Convention Talent Show 2026 (tabla, with sister on vocals).
- Completed Madhyama Pratham; preparing for Madhyama Poorna (Nov 2026) on the Sangeet Visarad certification path.
- Regular accompanist at JCNC, Bay Area Vaishnav Parivar and community events. Has taught tabla to children for 5+ years.

PROJECTS

Atticus (Open-Source Mac Voice Assistant) · Swift · Python · Claude Code

2026 – Present

- Hold-to-talk voice assistant that runs the Mac: simple asks (open apps, move windows, Spotify) run instantly with no AI; harder ones go to Claude Haiku on the user's own Claude plan, with no API key.
- Cut app launch from 6.7 s to 0.08 s and AI asks to about 2–3 s. Learned shortcuts replay a solved ask with no model call (5.5 s to 0.4 s, free); 97 asks cost 13 cents in total.
- Added a sandboxed Safe mode with an Allow card before anything deletes, sends or buys, after Reddit feedback. Shipped publicly with a one-line installer, website and self-update; 300+ GitHub stars, 19 forks, and 2 merged pull requests from outside contributors.

Juber (Community Project) · Founder & Lead Developer · Next.js · Supabase · Vercel

2026 – Present

- Ride-share app for the Jain Center of Northern California (JCNC), so members can carpool to the center on busy days.
- Built and lead a six-person student team: defined 5 roles, wrote the role profiles, interviewed 10 applicants, and handed meetings, finance, legal and PR to their own owners.
- Run communications with JCNC's Executive Committee and Board: pitched the board chair, recruited two board members as advisors, and worked with the Tech, Finance and Legal teams.
- Built driver safety checks, live rider directions with queue-aware ETAs, and a mobile-first admin console.

Algorithmic Mean-Reversion Trading System · Python · Interactive Brokers · TradingView

2025 – Present

- Architected a live forex trading system (IBKR via `ib_insync`, TradingView webhook alerts via ngrok) running real capital.
- Targets GBPJPY and EURUSD off a 9:30 AM NY open anchor; built an 8-phase backtesting pipeline on 1-minute data to validate entry levels before going live.
- Passed the Topstep evaluation (June 2026) and trades a funded futures account.

Internship Outreach CRM · React · TypeScript · Node.js · Gmail API 2026

- Full-stack outreach pipeline seeded with ~400 target companies; drafts, sends and syncs replies through the Gmail API, and finds emails with DNS MX lookups and pattern matching.

physics7c.vercel.app · HTML · CSS · JS · Vercel 2026

- Built a study site for college Physics 7C (waves, superposition, Doppler effect, interference) after a sibling struggled with the course; it spread to classmates as a main exam-prep resource.

Schoology Tools (sgy, Pace) · Python · React 2026

- Built a command-line Schoology client after the district declined to give students an API key, and a grades and assignments dashboard on top of it.

Ascenta · Firebase · Vercel 2025

- Built a gated gaming platform with Firebase sign-in and access codes; sold access to 20+ paying students.

FIRST LEGO League — Team ShortCircuit #58828 · LEGO SPIKE Prime 2020 – 2023

- Four seasons of robot design and programming. Won the local competition; 2nd at the regional championship.

SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL

Tools: React, Node, Next.js, Supabase, Firebase, Vercel, Git, Gmail API, Interactive Brokers, TradingView

Robotics: CAN bus, Raspberry Pi, Isaac Sim, Meta Quest

Approach: AI-assisted development (Claude Code, Cursor); owns architecture, product decisions, debugging and deployment