

Roshan Sathish

CONTACT

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EDUCATION

UC Berkeley

B.A. Computer Science
CDSS · Fall 2026 – Spring 2030

Mountain Ridge High School

GPA: 4.96W / 4.0UW
ACT: 36 · Rank: 1 / 654
Graduated May 2026

Community College Courses

Linear Algebra
Financial Accounting
Principles of Microeconomics

SKILLS

Languages

Python, JavaScript, Java,
HTML/CSS

Frameworks

React, Next.js, Node.js,
FastAPI

AI / ML

PyTorch, matminer,
PyMatGen, Gemini API

Tools

Git, PostgreSQL, SQLite, VS
Code

Other

MS Office, QuickBooks

LANGUAGES

English — Native
Spanish — Bilingual
Cert. of Biliteracy

CERTS

DP-900: Azure Data
Fundamentals

EXPERIENCE

Data Analytics & AI Intern

May 2026 – August 2026

Altudo (altudo.co)

- Built an interactive front-end prototype integrating AI into the trip search and booking funnel: a natural-language sidebar parsing free text into real-time filters, a personalized recommendation engine, and an AI date optimizer ranking trips by price, availability, and season
- Built a 4-service B2B cold outreach automation platform (Node.js, Python/FastAPI, React, PostgreSQL, Redis) running a 7-stage AI analysis pipeline (Azure OpenAI) to research prospects, draft personalized email sequences, and send approved emails via the Outreach.io API
- Designed 60 AI workflow agent specifications across 3 industry verticals for Sitecore Agentic Studio and built a Python system to auto-generate client-ready HTML deliverables

IT Systems Administrator

Feb 2024 – Present

Sheahan Tile & Stone LLC (Caliber Flooring) · Phoenix, AZ · Part-time

- Manage end-to-end technology infrastructure including hardware, software, and network systems
- Configure and deploy laptops and workstations with business-critical applications and security protocols
- Troubleshoot email systems, printers, QuickBooks, and point-of-sale equipment to minimize business disruptions

Freelance Web Developer

2025 – Present

phoenixtennisacademy.com · autismbringingchange.xyz

- Built and shipped a full-stack site for Phoenix Tennis Academy: React (Vite) SPA with client-side routing and custom CSS, Node.js/Express REST API, JWT auth for admin and member sessions, Stripe payments, and Nodemailer email delivery
- Designed and built a static HTML/CSS/JS site for Autism: Bringing Change, a nonprofit autism-awareness organization

Founder & President — DVHacks

Nov 2024 – June 2026

dvhacks.dev

- Founded and organized 3 global hackathons with 620+ total participants across Winter 2025, Summer 2025, and Winter 2026 cohorts
- Secured 15+ sponsors and recruited industry professionals as judges; managed all logistics, marketing, and outreach

Senior Web Warden

2024 – May 2026

seniorwebwarden.com · Cybersecurity educator

- Designed curriculum and delivered 10+ workshops at Arizona retirement centers, educating 100+ seniors on phishing and online fraud prevention

PROJECTS & AWARDS

MatIntel

2026

- Computational materials discovery platform screening 554,000+ crystal structures from Google DeepMind's GNoME dataset across 31 application domains including batteries, solar cells, and superconductors
- Integrates KAIST CLscore deep graph neural network for synthesizability prediction with a viability multiplier weighing cost, elemental abundance, and supply chain risk

Hackathon Wins

2023 – 2025

IND-M — PeddieHacks 2023 Passion Project Prize

Sep 2023

\$1,000 grant · \$10,000 AWS credits awarded by 1517 Fund

- Real-time interactive map functioning as a natural disaster early warning system, tracking active wildfires, hurricanes, earthquakes, and floods with live data feeds

Trippy — PeddieHacks 2024 HS Track 1 Winner

Aug 2024

\$150 cash prize · Wolfram|One 1-year license · Wolfram|Alpha Pro

- All-in-one travel planning tool surfacing flights, events, and attractions from user-entered trip details; itinerary builder with calendar and box layout views

RecipeMaster — PeddieHacks 2025 HS Track 1 Winner

Aug 2025

\$150 cash prize

- AI-powered recipe app using Google Gemini 1.5 Flash for photo-to-recipe recognition and a hands-free voice-guided cooking mode built with the Web Speech API

Top 5% in IMC Prosperity 4

2026

Placed #867/18803

- Participated in IMC Prosperity as a high school senior, competing primarily against university undergraduate and graduate students in quantitative finance and computer science
- Developed and backtested algorithmic trading strategies using Python to trade virtual assets over 5 rounds