

# Riddhiman Rana

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[contact@riddhimanrana.com](mailto:contact@riddhimanrana.com) • [riddhimanrana.com](https://riddhimanrana.com) • [github.com/riddhimanrana](https://github.com/riddhimanrana) • July 25, 2010

## Skills & Interests

**Technical:** Python, C++, Java, JavaScript, TypeScript, Swift, HTML/CSS, Node.js

**AI/ML Frameworks & Tools:** Apple MLX, CoreML, TensorFlow, PyTorch, Tesseract.js, FastAPI, Pandas, Matplotlib

**Web & Cloud Technologies:** Next.js, React, Astro, Flask, Django, WebSocket, Supabase, MongoDB, PostgreSQL, Firebase, Prisma, Cloudinary, Cloudflare, Vercel, Auth.js, Git, Docker

**Languages:** English, Bengali, Hindi, Spanish(beginner proficiency)

**Interests:** Boy Scouts(Pursuing Eagle Scout), Competitive Programming, Web-development, App Development, Machine Learning/AI, Computer Science, Math, Hiking, Running, Reading

## Education

**Windemere Ranch Middle School:** 3.97uw, CJSF Honors, President's Award for Academic Excellence

San Ramon, CA  
Class of 2024

**Dougherty Valley High School:** 4.06w. Played in school track & field team for 24-25 season. Currently taking AP Calc AB, AP CS A, and Honors Physics

San Ramon, CA  
Class of 2028

## Experience

### AlphaStar Academy

Python Instructor for Paid Internship

Santa Clara, CA  
July 2025 – Present

### Mustang Math

Platform Developer for Math Tournament Tech Team

Bay Area, CA  
July 2025 – Present

### Windemere Ranch Middle School Coding Club

Club Secretary

San Ramon, CA  
December 2023 – May 2024

## Notable Projects/Accomplishments

- USACO Gold Division Contestant(cleared USACO bronze with 1000/1000 in Feb 2024, cleared USACO silver with 800/1000 in Dec 2024 contest)
- Attended 10-day International Math Kangaroo Camp in Poland to represent US in top 10 (112/120 score)
- AMC 10B score of 81 (Oct 2024), AMC 8 score of 20/25 (Jan 2024)
- [Orion Live](#) - Real-time visual intelligence architecture that understands scenes as they unfold using temporal context and reasoning with a focus on privacy-first using a hybrid edge-server system.
- [Let's Assist](#) - A comprehensive volunteering platform designed for high school students and CSF programs to manage, track, and coordinate community service opportunities.
- [Py Eco Home Energy Tracker](#) - Home energy tracker to provide insights into energy consumption, awarded Congressional App Challenge Finalist in CA10 District - [Video of my Finalist Presentation](#)