



Rushil Mahadevu

Developer & Researcher | Building at the Intersection of AI, Science, and Education

Driven high school developer and researcher building at the intersection of AI, full-stack engineering, and education technology. Experienced in designing verifiable LLM systems, machine learning pipelines, and production-grade web platforms. Recognized for academic excellence and a self-directed approach to tackling complex, real-world problems through independent research and software.

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Education

Sage Ridge School

College Prep

10th
2515 Crossbow Ct, Reno, NV 89511 • 2021 - Present

- **GPA:** 4.0 (Unweighted)
- **Honors:** Head of School's List (All years), Pillar Awards for Scholarship & Respect.
- **Key Coursework:** AP Computer Science A, AP Computer Science Principles, AP Precalculus, AP World History, Honors Biology.

Truckee Meadows Community College

Biological Anthropology

Present

- Relevant Coursework: Biological Anthropology (ANTH 102) & Biological Anthropology Lab (ANTH 110L).
- Key Skills: Comparative Primate Anatomy, Human Evolution, Genetics, and Osteology.

Boston University | High School Honors Program

Summer 2026

- Selected via a competitive national application process for intensive, credit-bearing collegiate coursework.

Experience

Kumon Math and Reading Center

Teaching Assistant

1111 Steamboat Pkwy Suite# 400, Reno, NV 89521
June 2024 - Present

- Deliver personalized math and reading instruction, focusing on the Kumon Method of self-learning and mastery.
- Track student progress and provide feedback to improve accuracy and confidence in advanced mathematics.

Projects

Scorpio: Verifiable Physics Tutoring LMS

November 2025 - Present

- Developed an AI-powered physics LMS with research-grade tutoring and immersive learning tools designed to foster breakthrough understanding. Submitted to the 2026 Davidson Fellows Scholarship.
- Engineered the system to provide accurate, step-by-step tutoring while maintaining high reliability in scientific outputs.

NFTTruth: AI-Powered NFT Authenticity Detection

June 2025 - August 2025

- Built an AI-powered fraud detection system for NFT collections using Python and FastAPI.
- Achieved 95%+ confidence ratings through ML by analyzing metadata, social signals, and transaction patterns.

Strides Over Stigma

May 2025 - Present

- Founded a mental health and wellness initiative; developed a full-stack platform using TypeScript and React for event registration and community outreach.

Volunteer

The Discovery | STEM Education & Operations Volunteer

490 S Center St, Reno, NV 89501

Summer 2025

- Dedicated 75+ volunteer hours to developing and facilitating interactive STEM curriculum, fostering a hands-on learning environment for diverse student groups.

American Red Cross | Regional Health & Safety Volunteer

February 2026 - Present

- Manage volunteer profiles and support onboarding logistics for various events across the Northern Nevada region.

Skills

Programming

Python, Typescript, Javascript, Java, HTML/CSS



Scientific Research

Machine Learning, Statistical Modeling, Data Analysis, Experimental Design, Technical Writing



Professional & Leadership

Systems Thinking, Public Speaking, Mentoring, Scientific Method, Critical Thinking



Awards

National Honor Society

2025

Valedictorian Honors

2025

Awarded for ranking 1st in AP CSP, Honors Algebra II, and World History.

President's Education Award for Academic Excellence

2019, 2021

Kumon Mathematics Platinum Award

2014-2022

6x Recipient for performing years above grade level (Platinum Award)

World Cube Association

2024

Ranked speedsolver with an 18.11s personal record.

Languages

Spanish

Intermediate

Interests

Extracurricular Activities

Debate (Senior Level NSDA), Skiing, Cross-Country, Track & Field