AVNI PATIL

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PROFILE

I am an ambitious robotics engineer passionate about providing more opportunities and access to computer science and debate. Highly experienced in programming to create meaningful impact.

EDUCATION

Troy High School
2022-PRESENT

Cal State Fullerton
BC Calculus, Multivar Calc
2023-PRESENT

EXPERIENCE

CyberPatriot Instructor
2023-PRESENT

Developed engaging lesson plans to educate students on Linux cybersecurity for 40 students every week. For 90 minutes, orchestrate classes on securing the Linux OS.

VEX Robotics, Software Lead
2023-PRESENT

Coached the software team of 7 students to program the robot to solve complex tasks in competition

Dasion AI Internship
Summer 2024

Prototyped machine learning models for Dasion AI's projects. Designed and deployed the project weekly and mentored by a professor.

STEMup4Youth Volunteer & Curriculum Manager
2023-PRESENT

Formulates curriculum and lesson plans for STEM activities ranging from aerodynamics to basic computer science principles.

Speech & Debate Junior President
2024-PRESENT

Spearheaded meetings to delegate tasks for a club of 70+ members and handle student registrations for competition. Helped teach and create a curriculum for Parliamentary Debate that doubled the number of students.

CERTIFICATION

COMPTIA Linux+ 2023

Certification that covers the latest foundational skills demanded by hiring managers. Verifies Linux foundational knowledge.

SKILLS

→ Hindi & Marathi trilingual
→ Cybersecurity
→ Operating Systems
→ Mathematical Thinking
→ Time management
→ Programming (Python, Java, C++)
→ Teaching

AWARDS

VEX National Qualifier 2024
Transformed and troubleshooted program for the VEX nationals team

CyberPatriot National Semifinalist
Reached national semi-finals and platinum tier by securing the Linux OS. Placed top 50 out of 500 teams.

AstroHacks Hackathon Winner 2024
Succeeded and won in the "Best Fit" category out of 60 people

Crack the Code Hackathon 2nd Place 2024
Focused in cybersecurity, reached second out of 74 people

CHSSA State Qualifier 2024
Qualified for state level competition for Parlimentary Debate in California

Berkeley International Finalist 2023
Placed second place at Berkeley Invitational for Parliamentary Debate