Aditya (Adi) Khurana
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Education
Senior at Moorestown High School, Moorestown, NJ   **September 2022 – June 2026**
➔ Cumulative wGPA: 4.5, SAT: 1540 (Math: 800, English: 740), 13 AP Classes
➔ Stanford University Level Online (ULO) Course: Linear Algebra (Summer 2025)
➔ LaunchX Entrepreneurship Program at North Carolina State University & INSPIRIT AI Scholars Program (Summer 2023)

Experience
Business Owner, AK Soles   **March 2020 – Present**
➔ Founded a limited-edition sneakers reselling business, generating ~$450K in revenue and 3K+Discord member community.
➔ Leverage cloud computing technology, social media analytics, networking with nationwide retail and wholesale customers/sneaker stores, and data-driven strategies to forecast sneaker demand and maximize revenue.
➔ Published sneaker resale market analysis on SSRN (http://dx.doi.org/10.2139/ssrn.5382169), using proprietary sales data to generate actionable insights and guide aspiring entrepreneurs in building successful businesses.

Co-Founder and Instructor, For Kids By Kids Coding Camp   **July 2023 - Present**
➔ Co-founded and led free, in-person, peer-driven coding camps at local libraries and schools, teaching Scratch, Python, and AI fundamentals to 120+ middle & elementary school students.
➔ Develop hands-on and interactive curriculum through the use of tools like Kahoot and Blooket to bridge gaps in early programming education, introduce core coding concepts, and inspire students to pursue future careers in technology.

Paid Data Analyst Intern, Penn Injury Science Center   **February 2025 – Present**
➔ Analyze shooting incidents, uncovering demographic, spatial, and temporal patterns to guide timely public health interventions; manuscript in preparation for publication.
➔ Visit local high schools and West Philadelphia communities to identify individuals at high risk, collaborate with social workers and the Center Director, and provide targeted support to those affected by gun violence.

Software Development Intern, UPenn Perelman School of Medicine   **August 2024 – July 2025**
➔ Collaborated with CBICA researchers to design and develop an AI-powered mobile app for NiChart, enabling early detection of aging and neurodegenerative diseases through imaging biomarkers; built with Swift, Python, AWS, and Xcode. Currently in beta testing for clinical integration.

Research Lead – AlertNow   **May 2024 – Present**
➔ Developed *AlertNow*, a patent-pending, low-cost, real-time gunshot and firearm detection system leveraging multi-modal deep learning (CNN, YOLOv8) to enhance school safety; currently evaluating its commercial viability. This award-winning research is presented at IEEE ISEC 2025 (Princeton University) with publication accepted in IEEE Xplore.

Research Lead – SeniorConnect   **August 2022 – April 2024**
➔ Designed and developed *SeniorConnect*, a low-cost mobile app–based wearable prototype that provides real-time alerts to connect seniors with cognitive disabilities to their caregivers; presented this research at various science competitions and published findings in the *Journal of Emerging Investigators(JEI)* (https://doi.org/10.59720/25-015).

Paid Civic Engagement Intern, ALI Leadership Institute   **June 2024 – August 2024**
➔ Led Moorestown Meals, a food drive that delivered 200+ meals to families in need, and presented a comprehensive plan to a panel of activists, policymakers and local community leaders.

Teaching Assistant, HindiUSA   **September 2022-Present**
➔ Assist in teaching Hindi to 15+ middle and high school students annually by reviewing assignments, reinforce language skills, and support their growth in reading, writing, and speaking. Prepare students for cultural programs and competitions, promote awareness of Indian culture and the Hindi language while serving as a role model for younger learners.
➔ Chosen as 1 of 13 Student Ambassadors (from 400+ applicants) for a fully funded trip to India; engaged with senior government officials, local high school students, and national media on Hindi education in the U.S., and India's K-12 system.

Honors and Awards
➔ Top awards at highly competitive science fairs such as New Jersey Academy of Science, National JSHS, Congressional App Challenge, Delaware Valley Science Fair, & Coriell Science Fairs.
➔ Awarded NJ Seal of Biliteracy in 2024.
➔ Invited to perform at the Crescendo International Piano Competition recitals at Carnegie Hall,NY in 2021, 2023, & 2024.

Interests and Activities
➔ **Extracurriculars:** Varsity Chess Team President, Computer Programming Club, Basketball, and Piano.
➔ **Interests:** Technology for Social Good, Entrepreneurship, Teaching, Science Competitions.