

Aryaman Khandelwal

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A passionate and versatile high school student with a deep interest in a variety of fields including social entrepreneurship, mathematics, scientific research, and government who is able to apply knowledge in these fields for both academic and real-world purposes; an excellent communicator whose ability to convey ideas and concepts clearly and efficiently has been proven in practical scenarios and state/national level competitions

SAT Score – 2400 in tenth grade – Perfect Score - January 2016

ACT Score – 36 composite, with 36 in all subsections, in twelfth grade – Perfect Score – September 2017

National Merit Scholarship Semifinalist, Bryan Cameron Scholarship Finalist

Languages spoken: Hindi (fluent), English (fluent), Spanish (working)

Parkland High School – Twelfth grade, National AP Scholar

AP Courses taken: AP Biology (5), AP Chemistry (5), AP Physics 1 (5), Introduction to Human Neuroscience (Lehigh University), AP Calculus AB (5), AP Calculus BC (5), Multivariable and Vector Calculus – Dual Enrollment, AP Statistics (5), AP Microeconomics (5), AP Macroeconomics (5), AP Psychology (5), AP Human Geography (5), AP US History (5), AP World History (5)

MAJOR ACHIEVEMENTS:

Gloria Barron Prize for Young Heroes Winner – September 2017

- One of 25 young leaders chosen from across North America for making significant positive impact to people and the environment
- Selected to receive a \$5,000 grant for work on Get2Greater

2018 Global Teen Leader – Public announcement forthcoming

- One of 30 internationally chosen students for work in global social entrepreneurship, in which applicants represented 26 different countries
- Will attend Just Peace Summit in New York City during March 2018 to meet and collaborate with other teen leaders, speakers, and mentors

Future Business Leaders of America National Winner – June 2017

- National 3rd place winner in Insurance and Risk Management at the National Leadership Conference in Los Angeles, California, with a \$600 cash award

American Legion Oratorical Contest State Award - March 2016, March 2017

- 2 time \$5,000 scholarship winner for placing second statewide in the American Legion Oratorical Contest after placing first at several qualifying rounds

National Scholastic Writing Awards Silver Medalist - February 2016

- Critical Essay category for essay titled “The Consequences of Disagreement” detailing the Syrian refugee crisis

National Science Olympiad Gold Medalist - May 2015

- Gold medalist nationwide in Bio-Process Lab, a biology-based event.
- Won, at the national level, sixth place in Write It Do It, a writing and building event, tenth place in Experimental Design, an event based on hands-on research, and eleventh place in Crime Busters, a chemistry event.

National American Regions Mathematics League (ARML) - March 2014 – present

- Selected captain of one of five Lehigh Valley ARML teams that compete against other 15-member teams nationwide, of which there are around 145 total teams
- Lehigh Valley teams are sponsored by Google and Lehigh University and are ranked first place overall taking into account the last 5 years of the competition

Science Fair - March 2013 – present

- 5 time first place winner in the Lehigh Valley Science and Engineering Fair in environmental sciences to qualify for the Delaware Valley Science Fair, where in eleventh grade, second place was won
- Awarded with Pennsylvania Science Teachers’ Association Award for Excellence and the Pennsylvania Junior Academy of Science’s Director’s Award

LEADERSHIP EXPERIENCE:

Get2Greater - July 2015 – present

Founder, get2greater.com

- Developed an app to aid an organization in India (MAHAN Trust) in collecting and analyzing medical information from villagers in a rural area of India to provide quicker medical help and save lives
- Project was fully funded by Penn State Lehigh Valley Incubator with \$4,000 of seed funding

SparkXL – March 2017 – present

Founder, sparkxl.com

- Created a platform for teachers to showcase outstanding student work to potential colleges, employers, and the general public
- Beta testing currently taking place at Parkland High School before official launch

Student Representative to Parkland School Board – September 2017 – present

- Represent over 9400 students in the Parkland School District, at the elementary, middle, and high school levels
- Act on behalf of students in advising policy decisions made by Parkland School Board

Keystone Boys' State Governor – June 2017

- Elected governor, the highest position, at the Keystone Boys' State political simulation with \$1,000 scholarship
- Even as member of minority party, with less than 40 percent representation, was able to garner bipartisan support after days of campaigning and an hour-long debate

The Math Hub - 2014 – present

Founder and Teacher, themathhub.com

- Created a website to promote an interest in math, providing an incentive to students for completing math questions
- Developed syllabi for and taught various classes that were run over the summer and during the school year which raised over \$2,000 for charity
- Site is used by many teachers in the Parkland School District

Varsity Debate Team

Captain

- Two-time captain and four year member of the Parkland Varsity Debate Team which has placed second in the Eastern Pennsylvania Conference for three consecutive years

National Honor Society – September 2017 – present

President

- Lead one of the most prestigious academic organizations at Parkland with over 200 members
- Organized and successfully ran multiple fundraising undertakings, community outreach events, collection drives, among other activities

MIT Launch - June 2016

- Accepted into the competitive high school entrepreneurship program at MIT where resources and mentorship was provided for creating and improving a startup
- Worked with team members across the world to develop a startup to digitize the entire restaurant process to increase customer satisfaction, provide a personalized dining experience, and eliminate wait time

RESEARCH/WORK EXPERIENCE:

Johns Hopkins Center for Computational Biology Internship - July 2016 - August 2016

Paid Research Intern

- Accepted into the competitive internship for college and high school students at Johns Hopkins' Institute for Genetic Medicine
- Analyzed the relationship between mitochondrial DNA copy number (mtDNA) and DNA methylation, a link that could shed new light on aging and cardiovascular disease under the guidance of Dr. Dan Arking

Parkland Press – September 2017 – present

Paid Independent Journalist

- Periodically write articles on high school and community activity for the Parkland Press newspaper, as a contracted reporter

Lehigh University Environmental Engineering Internship - December 2015 - April 2016

- Tested the fluoride removal capabilities of a novel zirconium oxide nanoparticle infused hybrid anion exchange resin for use as an inorganic water filtration system in developing countries

VOLUNTEERING EXPERIENCE:

United Way's TeenWorks Board Member – March 2016 – present

5 hours a week

- TeenWorks, a United Way program, has invested over \$500,000 towards teen-driven community service projects in the past 18 years
- As a member of the board, heard proposals to determine which teens to fund and mentor and engaged in multiple community service projects

Advocate for CPR Education in Schools – October 2016 – present

2 hours a week

- Began petition to be delivered to PA House, Senate, and governor with over 1,000 signatures and support of American Heart Association
- Efforts have led to PA Representative Gary Day introducing proposed bill – PA HB1877

Science Olympiad Mentor - October 2015 - present

6-8 hours a week

- Teach students in the local middle school Science Olympiad program in specific chemistry, experimental design, and biology topics
- Students mentored have consistently placed high at regional, state, and national competitions

Hindi teacher - September 2014 - present

2 hours a week

- Teach introductory Hindi course for elementary school students who have the option of continuing on to higher levels of Hindi

Other volunteering can be seen under The Math Hub and Get2Greater

MISCELLANEOUS:

Model United Nations

- Champion Best Delegate at the Eastern Pennsylvania Conference Model UN in the Environmental Programme Committee
- Verbal Commendation at the Ivy League Model United Nations Conference in the Political Security Committee

National Guild Auditions

- Five time national winner, with a Superior rating, for piano

TEDxLehighRiver 2017 Speaker

- Gave a TEDx talk on the current successes of the American public education system and possible reforms to better prepare students for the future

SPEAKING ENGAGEMENTS:

TEDxLehighRiver 2017 Speaker

Lehigh Valley Youth Leadership Forum Keynote Speaker

Speaker at Student Entrepreneurship Summit sponsored by INVENT Penn State and InnoBlue

Speech at Harrisburg State Capitol Forum Auditorium on the US Constitution

Teen Entrepreneurship Summer Challenge Keynote Speaker at Penn State Lehigh Valley

Talk on social entrepreneurship and education on community NPR station

Speaker at the PA American Legion 99th Department Convention

Speech at Keystone Boys' State Ceremony for over 900 people