



Profile

As a dedicated and enthusiastic rising Junior year student, I am driven by a passion for learning and personal growth. My academic journey has been marked by strong performance in a diverse range of subjects, coupled with active participation in extracurricular activities. I thrive in collaborative environments and am eager to leverage my skills and experiences to contribute positively to my community and future endeavors.

Contact

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MOHAMMAD AARISH KHAN

High School – Junior

EDUCATION

Williamsville North High School

GPA: Unweighted: 4.0/4.0

Notable Courses:

- AP COMPUTER SCIENCE (A)	- CHEMISTRY (A)
- AP WORLD HISTORY	- ALGEBRA 2 (A)
- AP ENVIRONMENTAL SCIENCE	- FRENCH 3(A)
- BIOTECHNICAL ENGINEERING	- PRINCIPLES OF MARKETING
- DRAW DESIGN PRODUCTION	- PHYSICS

Currently Pursuing:

- AP PRE-CALCULUS	- AP LITERATURE
- AP BIOLOGY	- FRENCH 4(A)
- AP PHYSICS	- COMPUTER INTEGRATED MANUFACTURING-(CIM)
- AP US HISTORY	- ENTREPRENEURSHIP

ACADEMIC ACHIEVEMENTS:

Research

- ✓ RESEARCH PAPER ON THE TOPIC OF “**UTILIZATION OF BI-SPECIFIC ANTIBODIES FOR CLINICAL USE AGAINST NON-SMALL CELL LUNG CANCER**” ACCEPTED FOR PUBLICATION BY **PRINCETON IEEE**.

Honors and Awards

- ✓ SELECTED AS AN “**EMERGING SCIENTIST OF THE YEAR**” BY NEW YORK ACADEMY OF SCIENCES TO BE AWARDED ON **APRIL 22, 2025**.
- ✓ AP SCHOLAR’S AWARD, 2024
- ✓ ORACLE CLOUD INFRASTRUCTURE 2024 GENERATIVE AI CERTIFIED PROFESSIONAL
- ✓ NEW YORK ACADEMY OF JUNIOR SCIENCES WINNER (1ST PLACE FALL 2023, PROJECT OF DISTINCTION IN SPRING 2024)
- ✓ EXCELLENCE AWARD IN ENGINEERING & TECHNOLOGY, 2024
- ✓ BUFFALO STATE COMPUTER SCIENCE COMPETITION (1ST PLACE)

Hobbies

- ✓ Reading
- ✓ Writing
- ✓ Researching
- ✓ Coding
- ✓ Recreational Sports

Languages

- ✓ English
- ✓ French
- ✓ Hindi
- ✓ Urdu

Personal qualities

- ✓ Motivated
- ✓ Adaptable
- ✓ Collaborative
- ✓ Inquisitive

- ✓ TSA STATES (3RD PLACE FOR CODING)
- ✓ SCIENCE OLYMPIAD REGIONALS (2ND PLACE DISEASE DETECTIVE)
- ✓ SCIENCE OLYMPIAD REGIONALS (TOP 10 DETECTOR BUILDING)
- ✓ SCIENCE OLYMPIAD REGIONALS (TOP 10 FLIGHT)
- ✓ PTSA REFLECTIONS -LITERATURE (REGIONALS OUTSTANDING EXCELLENCE AWARD)2023
- ✓ EXCELLENCE AWARD IN EARTH SCIENCE,2023

WORKSHOPS

- ✓ BIOTECH IN ACTION-BIOGEN COMMUNITY LAB AND LEMELSON-MIT
- ✓ MIT BEAVER WORKS SUMMER INSTITUTE PROGRAM(BWSI)AUTONOMOUS CARS! COURSE
- ✓ BUILDING RESEARCH SKILLS FOR HIGHER EDUCATION-HIGH SCHOOL MOMS & WESLEYAN COLLEGE, GEORGIA USA

EXTRACURRICULAR ACTIVITIES

Clubs and Organization:

- ✓ COMPUTER CLUB: VICE PRESIDENT
- ✓ FRENCH CLUB- TREASURER
- ✓ TECHNOLOGY STUDENT ASSOCIATION: SECRETARY, NEW YORK STATE DELEGATE
- ✓ SCIENCE OLYMPIAD: WON MULTIPLE AWARDS
- ✓ SCIENCE HONORS SOCIETY
- ✓ PODCAST CLUB
- ✓ SIHAC- SUPERINTENDENT INTER HIGH ACTION COMMITTEE
 - GROUP A CHAIR 2023-2024
 - GROUP B CHAIR 2024-2025
- ✓ SDM-SHARED DECISION MAKING

Community Services

- ✓ AMHERST YES (YOUTH ENGAGED IN SERVICES): BRONZE MEDAL (2024)
- ✓ AMHERST YOUTH CONSORTIUM
- ✓ BIG BROTHERS BIG SISTERS
- ✓ SUNDAY SCHOOL VOLUNTEER AT MASJID AN NOOR, GETZVILLE

GOALS

Short Term Goals: Engage in research projects focusing on Genetic Engineering, Biomedical Engineering, and Neurosciences, aiming to contribute to advancements in these fields and acquire specialized knowledge and skills.

Long Term Goals: Contribute to the development of organoid-based computing systems, advancing the integration of biological and computational technologies.