

MUHAMMAD AMMAR RANA

ACADEMICS

**SSC with 4A*s and 4As
(958/1100)**

INSTITUTIONS

Nust Creative Learning School and
College (2021-2022).

Islamabad College for Boys (2022-2023)

As with 3As

Headstart School Gulmohr

2023-2025

PROFESSIONAL DEVELOPMENT

- Participated in the Young Leaders' & Entrepreneurs' Summit (YLES) at LUMS, 2023, gaining exposure to business strategy and innovation.
- Represented at Beaconhouse Notion of Academia (BNA), 2024, engaging in academic discourse and collaborative problem-solving.
- Completed the Arduino Module during Summer Camp 2024, gaining hands-on experience in microcontroller programming.
- Participated in the Robotics Summer Camp 2024, working with LEGO Mindstorms to develop foundational robotics and teamwork skills.
- Founded Quantivex Solutions and worked as a Full-Stack Developer, delivering multiple fully functional websites for clients..

EXTRACURRICULAR

- Played for School's football team 2016 - 2020 (TSS).
- Secured 8th position in Lahore Chess Club 28th Inter-School Competition (2023).
- Playing for Schools Basketball team 2023-2025 (Headstart School).

ACHIVEMENTS

- Awarded a 100% scholarship at Headstart High School, Gulmohar Campus, for outstanding academic and extracurricular performance.
- Won a cash prize in the NERC Robotics Competition at NUST College of Mechanical and Electrical Engineering, demonstrating excellence in robotics and engineering application.
- Winner of the BSX Module at BNA'25 (Beaconhouse Notion of Academia), showcasing innovation and problem-solving in a competitive academic setting.

PROGRAMMING SKILLS (HOBBIES)

- Built a neural network from scratch using only NumPy, demonstrating deep understanding of foundational AI concepts and linear algebra.
- Performed penetration testing on Syfe via HackerOne, identifying and reporting XSS vulnerabilities; demonstrated expertise in Linux-based recon and automation using Nuclei for rapid vulnerability discovery.
- Designed and built a personal portfolio website using HTML and CSS to showcase technical projects; actively learning JavaScript and planning to integrate AI features to demonstrate growing skillset so the website only consists of HTML and CSS at the moment.
- Hands-on experience with SSH, Linux Bash, and server deployment using NGINX and ngrok; currently building expertise in cloud engineering and infrastructure management.

INTERNSHIPS

- Internship at WWF Pakistan (13+ Community Hours).