

Contact

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www.linkedin.com/in/muhammad-u-anjum (LinkedIn)

Top Skills

Project Management

Languages

Urdu (Full Professional)

Punjabi (Limited Working)

French (Professional Working)

Hindi (Full Professional)

English (Native or Bilingual)

Honors-Awards

Bronze Laureate

Muhammad Anjum

Aerospace Engineering, Computer Science, & Mathematics @ SDSU | President @ Muslim Tech Collaborative | President Emeritus @ Aztec Electric Racing | prev. @ SpaceX, NASA

San Francisco Bay Area

Summary

San Diego State University student pursuing a Bachelor of Science in Aerospace Engineering, with hands-on leadership experience in electric vehicle innovation. As President of Aztec Electric Racing, working alongside team members to advance energy storage systems and oversee engineering practices for a custom F1-styled electric vehicle. Concurrently served as Vice President at Aztec Electric Racing and Project Manager at ASME SDSU, managing project funds, leading teams, and driving successful competition outcomes. Founder & President of the Muslim Tech Collaborative at SDSU, fostering inclusivity and collaboration within the tech community. Multilingual in English, French, and Urdu.

Experience

The Thermal Club

EV Systems Engineer

February 2026 - Present (7 months)

Thermal, California, United States

- System Architecture: Designing and manufacturing a custom low-voltage wiring harness for a full-vehicle integration.
- Firmware & Logic: Programming and calibrating the Motor Control Unit (MCU) and digital dash interface for real-time telemetry.
- HV Engineering: Building and testing high-voltage battery systems, including cell validation and BMS (Battery Management System) configuration.
- End-to-End Development: Responsible for the electrical conversion process from component selection to final system commissioning.

Muslim Tech Collaborative at SDSU

Founder & President

August 2024 - Present (2 years 1 month)

San Diego, CA

- Founded and scaled a professional development network for Muslim students, reaching 50+ active members.
- Directed all club operations, including marketing, recruitment, and funding strategies.
- Career Readiness Initiatives: Curated a series of technical workshops, resume reviews, and guest speaker events featuring engineers from top-tier firms like LPL Financial.

SpaceX

Supplier Development Engineering Intern

May 2026 - August 2026 (4 months)

Hawthorne, CA

Aztec Electric Racing

3 years 11 months

President

May 2025 - June 2026 (1 year 2 months)

San Diego, CA

- Leading a 250+ member FSAE electric team in project management, operations, and budget outlook.
- Established the team's first operations framework to delegate work in SAE competition requirements, sponsorships outreach, safety, and recruitment.
- Strategic Growth: Manage a \$60,000+ annual budget and lead fundraising initiatives, successfully securing \$200,000+ in dedicated funding and support for the team through donor engagement events.
- Lifecycle Management: Lead the team through the full product development lifecycle, from initial CAD design and simulations to physical fabrication and track testing.
- Technical Oversight: Oversee the integration of complex vehicle systems, including high-voltage energy storage, powertrain, and chassis, ensuring compliance with strict FSAE safety and performance regulations.

Energy Storage Lead

May 2023 - May 2025 (2 years 1 month)

San Diego, CA

- Led our team as head of energy storage for our custom F1-styled electric vehicle.
- Researched, designed, and fabricated first high voltage tractive battery with control systems integration.

- Achieved a historic first by successfully passing the accumulator structural inspection.
- Collaborated with other executives and members to ensure optimal engineering practices.
- Documented all steps and actions for ease of reference and validation.

Powertrain & Ergonomics Engineer

August 2022 - May 2023 (10 months)

San Diego, CA

- Designed and fabricated a functional test-bench including electrical, mechanical, and hydraulic components.
- Programmed, calibrated, and tuned the electronic components through the motor inverter.
- Utilized design matrices and physical analyses to nominate optimal commercial or custom parts.
- Followed manuals to accurately trace and connect wires to the vehicle's wiring harness.
- Applied electronic circuit principles to troubleshoot and pattern wiring and circuitry.
- Modelled preliminary designs of the driver's foot pedals in SolidWorks.
- Integrated electrical components with physical pedal box and pedals.
- Programmed pedal travel with desired motor response to the comfort of the driver.
- Documented all steps and actions for ease of reference and validation.

NASA - National Aeronautics and Space Administration

Integrated Management System Office Intern

June 2024 - August 2024 (3 months)

Merritt Island, FL

- Managed and streamlined documentation workflows for NASA's Integrated Management System team.
- Maintained internal web applications for document control and governmental compliance audits.
- Authored and revised technical memos, data sheets, and procedural updates improving efficiency by 10%.
- Developed updates, data sheets, technical instructions, and action plans for NASA.
- Earned 8 NASA certifications in process management and technical documentation.

ASME SDSU (American Society of Mechanical Engineers)

Project Manager

August 2023 - May 2024 (10 months)

San Diego, CA

- Directed all phases of a 4-part project plan for the SDSU ASME student chapter.
- Organized and led general body meetings; implemented project tracking and design documentation tools.
- Spearheaded the IAM3D Drone Competition project, leading the team to place 4th internationally.
- Managed procurement and budgeting for materials, tools, and travel.

Panera Bread

Retail Team Member

June 2021 - August 2021 (3 months)

Dublin, California, United States

- Greeted customers, guided their dining choices, and efficiently processed transactions.
- Crafted drinks, handled the distribution of baked goods, and ensured order accuracy.
- Organized cafe and dining sectors and maintained cleanliness to promote a visually-appealing atmosphere.
- Addressed any customer concerns and ensured their satisfaction.

Comet

Intern

May 2021 - August 2021 (4 months)

- Intern of the product development and design team for a college-managing software startup.
- Tested beta versions of Comet software and provided constructive feedback for further development.
- Attended virtual workshops and sessions to gain insight in the software and business industries.

Breakthru

Marketing Ambassador

April 2021 - July 2021 (4 months)

- Engaging and communicating with athletic departments to support social media marketing and business-related opportunities.

- Attended exclusive guest speaking events by successful business people to gain professional insight and inspiration.

Education

San Diego State University

Bachelor of Science - BS, Aerospace, Aeronautical and Astronautical/Space Engineering · (August 2022 - May 2027)

Dublin High School

· (August 2018 - June 2022)