

Muhammad Anjum

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San Diego State University - San Diego, CA

Expected May 2027

Bachelor of Science in Aerospace Engineering | Minors in Mathematics & Computer Science

5× Dean's List Honoree

PROFESSIONAL EXPERIENCE

SUPPLIER DEVELOPMENT ENGINEER INTERN

05/2026 to 08/2026

SpaceX - Hawthorne, CA

- Owned technical decisions for Starship flight hardware on a confidential development program: DFM, sourcing, manufacturing, and supplier selection.
- Conducted on-site supplier audits to establish quality expectations and assess manufacturing capability.
- Led root-cause analysis on out-of-tolerance conditions and other nonconformances, driving corrective actions both internal and external to closure.
- Identified a recurring gap between design engineering and supplier expectations, and developed a standardized review process adopted by supplier development, quality, and design engineering teams.
- Resolved critical part shortages to keep production on schedule, while coordinating experimental assembly procedures for dev testing in parallel

INTEGRATED MANAGEMENT SYSTEM INTERN

06/2023 to 08/2023

NASA - National Aeronautics and Space Administration - 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.

EV SYSTEMS ENGINEER

02/2026 to PRESENT

The Thermal Club - Thermal, CA (part-time)

- Designed and built a custom low-voltage wiring harness for full-vehicle integration.
 - Programmed and calibrated the motor control unit and digital dash for real-time telemetry.
 - Built and tested high-voltage battery packs, including cell validation and BMS configuration.
 - Owned the electrical conversion end-to-end, from component selection through final commissioning.
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LEADERSHIP EXPERIENCE

PRESIDENT | ENERGY STORAGE TEAM LEAD

07/2023 to 06/2026

Aztec Electric Racing (AER) FSAE EV - San Diego, CA

- Leading a 250+ member FSAE electric team in project management, operations, and budget planning.
- Established the team's first operations framework to delegate work in SAE competition requirements, sponsorships outreach, safety, and recruitment.
- Researched, designed, and fabricated first high voltage tractive battery with control systems integration.
- Achieved a historic first by successfully passing the accumulator structural inspection.
- Built and iterated the team's first powertrain testbench with cooling loop and wiring harness integration.
- Developed documentation and validation standards for future subsystem designs and manufacturing.

FOUNDER & PRESIDENT

07/2024 to PRESENT

Muslim Tech Collaborative (MTC) - San Diego, CA

- Founded and scaled a professional development network for Muslim students from the ground up, growing to 30+ active members.
 - Directed all club operations including organization, outreach, marketing, recruitment, and funding strategies.
 - Secured funding and partnerships with employers to host professional panels and career workshops, connecting students directly with industry professionals.
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SKILLS

Management: Supplier Auditing & Quality Assessment · Root Cause Analysis (8D) · Program/Project Management · Supply Chain Logistics · Budgeting & Cost Reports · Cross-Functional Leadership

Engineering & Manufacturing: High-Voltage Systems & BMS · Battery Validation & Testing · Machining & Fabrication · Circuit Analysis & PCB Design · GD&T · Automotive/EV Systems

Software & Tools: NX / Teamcenter · Solidworks · ANSYS FEA · MATLAB & Simulink · Python / C / Java · AI Agent Tooling · Microsoft Office Suite