

SALEEM KHAN

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EDUCATION

National University of Sciences And Technology (NUST) Islamabad
Bachelor's, Mechanical Engineering

November 2021 - November 2025

PROFESSIONAL EXPERIENCE

RDC CEME

Mechanical Intern

Rawalpindi, PB, Pakistan

June 2024 - August 2024

- 3D Designer Mechanical Intern
- Designed 3D models and mechanical assemblies using CAD software (Catia V5, PTC Creo).
- Created detailed technical drawings and BOMs for manufacturing support.
- Assisted in design optimization, simulations, and prototype development.

PROJECTS & OUTSIDE EXPERIENCE

Bot Design (Maze Solver Competition)

Rawalpindi, PB, Pakistan

November 2024 - November 2024

- Collaborated in a team to design, program, and assemble a maze-solving robot
- Contributed to sensor integration, pathfinding algorithm development, and chassis design using CAD tools
- Worked effectively with team members to troubleshoot issues and optimize performance for smooth autonomous navigation.

Design and Fabrication of Stairlift

Rawalpindi, PB, Pakistan

October 2024 - May 2025

- Design and Fabrication of Stairlift
- Designed a mechanical stairlift system using 3D CAD software, focusing on safety, load capacity, and user accessibility.
- Selected materials and components, and performed structural analysis to ensure durability and performance.
- Supervised fabrication, assembly, and testing of the stairlift prototype to validate design functionality and reliability.

Space Shuttle Design

Rawalpindi, PB, Pakistan

September 2024 - September 2024

- Designed a conceptual space shuttle model in CATIA V5 by creating 3D parts and assemblies, including fuselage, wings, and propulsion elements
- Applied surface modeling for aerodynamic shapes and used assembly tools to integrate components accurately

4 Cylinder Engine

Rawalpindi, PB, Pakistan

August 2024 - August 2024

- Designed a complete 4-cylinder engine model in CATIA V5 by creating individual components such as pistons, connecting rods, crankshaft, and cylinder block using Part Design
- Assembled all parts in Assembly Design, ensuring accurate motion constraints and alignment
- Applied detailed sketches, 3D features, and standard engineering practices to replicate real-world engine functionality.

SKILLS

Skills: PTC Creo, Catia V5, Ansys, Thermodynamic Analysis, Power Plant Analysis(Steam, Gas, Combined), HVAC(Refrigeration Cycles, absorption refrigeration cycle)