Aisha Khan

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SUMMARY

Dedicated Aerospace Engineer with over 5 years of experience in design and analysis of aerospace structures. Proven track record in leading projects that enhance performance and reduce costs using advanced simulation tools and methodologies.

EXPERIENCE

Senior Aerospace Engineer   Jan 2022 - Present
JetPropulsion Inc., San Diego, CA

- Led a team of 5 engineers to design a new wing structure that improved aerodynamics efficiency by 15%, resulting in a projected $2 million annual fuel savings.
- Developed and implemented a new testing protocol that reduced project completion time by 20%, accelerating time to market for new aircraft models.
- Utilized ANSYS and SolidWorks for stress analysis and component design, ensuring compliance with FAA regulations.

Aerospace Engineer   Aug 2018 - Dec 2021
SkyTech Solutions, Los Angeles, CA

- Engineered composite materials for aircraft components that led to a 10% reduction in weight and a significant cost decrease of $500,000 per production cycle.
- Collaborated with cross-functional teams to integrate systems for UAVs, enhancing flight stability and control by 30%.
- Conducted performance analysis using MATLAB and Simulink, leading to improved design specifications and greater efficiency.

Junior Aerospace Engineer   Jun 2017 - Jul 2018
AeroDynamics Corp., Irvine, CA

- Assisted in the redesign of propulsion systems, which resulted in a 25% increase in thrust efficiency.
- Performed data analysis to support design decisions, contributing to a project that was completed 15% under budget.
- Gained proficiency in CATIA and AutoCAD for component design and modifications.

EDUCATION

Bachelor of Science in Aerospace Engineering   May 2018
University of California, Los Angeles, Los Angeles, CA • GPA: 3.7

SKILLS

Technical Skills: Aerodynamics, Structural Analysis, Materials Science, Propulsion Systems
Tools & Frameworks: ANSYS, SolidWorks, MATLAB, Simulink, CATIA, AutoCAD