

Aisha Patel

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SUMMARY

Detail-oriented Mechanical Engineer with over 5 years of experience in product design and development. Proven track record of improving efficiency and reducing costs through innovative engineering solutions.

EXPERIENCE

Senior Mechanical Engineer

Jan 2022 - Present

Tech Innovations Inc., Austin, TX

- Led a team to design an energy-efficient HVAC system, reducing energy consumption by 30%, resulting in annual savings of \$50,000.
- Developed a new product line of eco-friendly packaging, increasing market share by 15% in the first year.
- Implemented a continuous improvement process that decreased production lead time by 25%.

Mechanical Engineer

Jun 2018 - Dec 2021

Dynamic Solutions LLC, Houston, TX

- Designed and tested mechanical components for automotive applications, achieving a 20% reduction in weight without compromising performance.
- Collaborated with cross-functional teams to ensure designs met customer requirements, achieving a 95% customer satisfaction rating.
- Utilized CAD software (SolidWorks, AutoCAD) to create 3D models and simulations, improving design accuracy.

Junior Mechanical Engineer

May 2016 - May 2018

Innovatech Corp., San Antonio, TX

- Assisted in the development of manufacturing processes that improved throughput by 15%.
- Conducted failure analysis on mechanical systems, leading to a 10% reduction in warranty claims.
- Supported the design team with prototype testing and evaluation, contributing to several successful product launches.

EDUCATION

Bachelor of Science in Mechanical Engineering

May 2018

University of Texas at Austin, Austin, TX • GPA: 3.7

SKILLS

Technical Skills: Finite Element Analysis, Thermodynamics, Fluid Mechanics, Mechanical Design

Tools & Frameworks: SolidWorks, AutoCAD, MATLAB, ANSYS