

Amina Patel

amina.patel@example.com • (555) 123-4567 • Austin, TX • linkedin.com/in/aminapatel

SUMMARY

Detail-oriented entry-level research engineer with a strong foundation in data analysis and experimental design. Proficient in applying engineering principles to solve complex problems and improve processes, with hands-on experience in laboratory settings.

EXPERIENCE

Research Assistant

Jan 2022 - Present

Innovative Solutions LLC, Austin, TX

- Conducted experiments that improved product efficiency by 15% through optimization of existing protocols.
- Assisted in the development of a new data collection system that reduced processing time by 25%, saving approximately \$10,000 annually.
- Utilized MATLAB and Python for data analysis, resulting in significant insights that guided product development decisions.

Intern - Mechanical Engineering

Jun 2021 - Aug 2021

Tech Innovations Corp, Austin, TX

- Collaborated with a team on a project that focused on renewable energy solutions, leading to a prototype that demonstrated a 20% increase in energy output.
- Performed simulations using SolidWorks for mechanical components, enhancing design accuracy and performance validation.
- Prepared technical reports and presented findings to senior engineers, enhancing communication skills and technical understanding.

Laboratory Technician (Part-time)

Sep 2019 - May 2021

University Chemistry Lab, Austin, TX

- Maintained laboratory equipment and ensured compliance with safety protocols, contributing to a 100% safety record.
- Assisted in the analysis and interpretation of chemical data, improving lab efficiency by resolving discrepancies in data handling.
- Contributed to a research paper that was published in a peer-reviewed journal, enhancing research credibility.

EDUCATION

Bachelor of Science in Mechanical Engineering

May 2022

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

SKILLS

Technical Skills: Data Analysis, Experimental Design, Statistical Analysis, Mechanical Design

Tools & Frameworks: MATLAB, Python, SolidWorks, Microsoft Excel