

Amina Patel

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SUMMARY

Results-driven Research Engineer with over 5 years of experience in designing and implementing innovative engineering solutions. Expertise in data analysis, machine learning, and software development, with a proven track record of driving efficiency and optimizing processes.

EXPERIENCE

Research Engineer

Jan 2022 - Present

Innovative Solutions Inc., Seattle, WA

- Led a project that reduced processing time by 30%, saving the company \$50,000 annually.
- Developed a predictive maintenance model using machine learning algorithms, improving equipment uptime by 25%.
- Collaborated with cross-functional teams to integrate new technologies into existing workflows, enhancing productivity.

Junior Research Engineer

Jun 2018 - Dec 2021

Tech Research Labs, San Francisco, CA

- Contributed to a research project that secured \$200,000 in funding by demonstrating potential market impact.
- Implemented a data visualization tool that increased research output clarity by 40%.
- Assisted in the development of software tools that automated data collection processes, reducing manual effort by 50%.

Intern Research Engineer

Jan 2018 - May 2018

Smart Tech Innovations, Los Angeles, CA

- Supported a senior engineer in analyzing data sets which resulted in a 15% improvement in project accuracy.
- Conducted literature reviews and presented findings to the engineering team, influencing project direction.

EDUCATION

Bachelor of Science in Electrical Engineering

May 2018

University of Washington, Seattle, WA • GPA: 3.7

SKILLS

Technical Skills: Machine Learning, Data Analysis, Statistical Modeling, Embedded Systems

Tools & Frameworks: Python, TensorFlow, MATLAB, SQL