

Amara Patel

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SUMMARY

Detail-oriented Process Engineer with over 5 years of experience in process optimization and quality improvement. Proven track record of implementing solutions that enhance efficiency and reduce costs, specializing in chemical processing and manufacturing systems.

EXPERIENCE

Process Engineer

Jan 2022 - Present

ChemTech Solutions, Houston, TX

- Led a project that optimized the chemical production process, reducing costs by 15% annually.
- Implemented Lean Six Sigma methodologies, resulting in a 25% improvement in production efficiency.
- Developed and executed test protocols for new product formulations, increasing product yield by 10%.

Process Improvement Engineer

Jun 2018 - Dec 2021

Global Manufacturing Corp., Dallas, TX

- Drove process improvements that saved the company \$200,000 per year through waste reduction.
- Utilized statistical process control (SPC) to monitor and enhance product quality, leading to a 30% decrease in defects.
- Collaborated with cross-functional teams to implement new technologies, reducing production lead time by 20%.

Junior Process Engineer

May 2016 - May 2018

Innovative Engineering Solutions, Austin, TX

- Assisted in the redesign of key manufacturing processes, improving throughput by 15%.
- Conducted root cause analysis (RCA) for process failures, contributing to a 40% reduction in downtime.
- Supported the implementation of automation solutions, enhancing production accuracy.

EDUCATION

Bachelor of Science in Chemical Engineering

May 2018

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

SKILLS

Technical Skills: Process Optimization, Statistical Analysis, Lean Manufacturing, Root Cause Analysis

Tools & Frameworks: AutoCAD, MATLAB, Minitab, Aspen Plus