

Amina Patel

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

SUMMARY

Results-driven Senior Chemical Engineer with over 8 years of experience in process design and optimization. Proven track record of leading cross-functional teams to achieve significant cost reductions and enhance production efficiency.

EXPERIENCE

Senior Chemical Engineer

Jan 2022 - Present

Advanced Chemical Solutions, Houston, TX

- Led a project that improved production efficiency by 25%, resulting in annual savings of \$2M.
- Implemented a new waste reduction process that decreased hazardous waste by 30%.
- Utilized Aspen Plus and HYSYS for process simulation, leading to optimized reaction conditions.

Chemical Engineer

Jun 2018 - Dec 2021

GreenTech Innovations, Dallas, TX

- Developed a novel catalyst that increased reaction yield by 15% within a six-month period.
- Collaborated with R&D for the scale-up of processes, reducing time to market by 20%.
- Conducted root cause analysis using Six Sigma methodologies to resolve production issues.

Junior Chemical Engineer

Jul 2015 - May 2018

ChemCo Manufacturing, Austin, TX

- Assisted in the redesign of a distillation column that resulted in a 10% decrease in energy consumption.
- Participated in safety audits that led to a 50% reduction in workplace incidents.
- Supported the implementation of ISO 9001 quality management system.

EDUCATION

Bachelor of Science in Chemical Engineering

May 2018

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

SKILLS

Technical Skills: Process Design, Thermodynamics, Chemical Reaction Engineering, Separation Processes

Tools & Frameworks: Aspen Plus, HYSYS, MATLAB, Six Sigma