

# Amina J. Patel

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## SUMMARY

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Results-driven Nuclear Engineer with over 5 years of experience in reactor design and safety analysis. Proven track record of improving operational efficiency and implementing innovative solutions in nuclear facilities.

## EXPERIENCE

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### Nuclear Engineer

Jan 2022 - Present

*Nuclear Solutions Inc., Atlanta, GA*

- Led a project that reduced reactor downtime by 30%, saving over \$1.2 million annually.
- Developed and implemented safety protocols that improved compliance rates by 25%.
- Utilized advanced simulation tools to assess reactor core performance under various scenarios.

### Junior Nuclear Engineer

Jun 2018 - Dec 2021

*Energy Innovations LLC, Columbus, OH*

- Assisted in the design of a new reactor core, contributing to a project that enhanced energy output by 15%.
- Conducted risk assessments and safety evaluations that improved plant safety ratings by 20%.
- Collaborated with cross-functional teams to streamline project timelines, reducing time to market by 12 weeks.

### Intern Nuclear Engineer

May 2017 - Aug 2017

*PowerTech Engineering, Cincinnati, OH*

- Supported the engineering team in reactor modeling tasks using MATLAB and ANSYS.
- Participated in data analysis projects that led to a 10% increase in efficiency in process operations.

## EDUCATION

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### Bachelor of Science in Nuclear Engineering

May 2018

*Georgia Institute of Technology, Atlanta, GA • GPA: 3.7*

## SKILLS

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**Technical Skills:** Nuclear Reactor Design, Safety Analysis, Thermal Hydraulics, Radiation Protection

**Tools & Frameworks:** MATLAB, ANSYS, MCNP, C++