

Aashi Goel

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EDUCATION

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor's Degree in **Robotics Engineering**; Minor in **Computer Science**; GPA: 3.62/4.0

Graduation: **May 2025**

WORK EXPERIENCE

Energy Efficiency Procurement Intern—National Grid, Waltham, MA

JUN. 2023 - AUG. 2023

- Strategized and assisted with the execution of Request for Proposals (RFPs)
- Managed Energy Efficiency initiatives by executing contract changes
- Collaborated with stakeholders to determine appropriate strategic sourcing methods

Customer Experience Intern—National Grid, Waltham, MA

MAY 2022 - AUG. 2022

- Utilized research findings to recommend solutions to raise customer satisfaction scores
- Pitched ideas to increase customer engagement for company programs
- Independently worked on research projects to revise customer strategy

Program Assistant—Museum of Science, Boston, MA

JUN. 2021 - AUG. 2021

- Developed weekly professional development workshops for interns
- Supported and managed STEM Enrichment Programs

PROJECTS

Escape Room Robotics Project, WPI

MAR. 2023 - MAY 2023

- Programmed state machines in C++ using speed control algorithms to autonomously navigate a maze using sensor-based control and robot communication via MQTT broker
- Utilized ESP32 microcontroller & electrical boolean logic for sensory processing

Solar Panel Replacement Robotics Project, WPI

AUG. 2022 - OCT. 2022

- Used Solidworks, 3-D printing, & laser cutting to create fourbars and grippers for robots
- Used circuit board for electric connections & C++ to program robot via infrared remote

Pizza Delivery Robotics Project, WPI

MAR. 2022 - MAY 2022

- Used VEXcode Pro V5 & C++ to program autonomous and driver control modes of robot
- Used force analysis calculations & sensor integration to design mechanical system

SKILLS

C/C++, Java, Solidworks, Python, MATLAB, HTML, CSS, Microsoft Office, GitHub, Microsoft Visual Studio Code

AWARDS/CERTIFICATIONS

Certified SOLIDWORKS Associate in Mechanical Design (May 2023), Dean's List (Fall 2021, Spring 2022)

ACTIVITIES/LEADERSHIP

Director of Academic Enrichment for Alpha Gamma Delta; Former PR Chair of First Generation Student Association; Society of Women Engineers; Society of Asian Scientists and Engineers