Prince Prajapati

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EDUCATION

Bachelor of Engineering, Major in Mechanical Engineering   Expected Graduation: Spring 2027
University of Cincinnati, Cincinnati, OH
- Minor: Mathematics, Insurance and risk management
- Awards and Honors: International Outreach Scholarship, Merit Based Scholarship 2022, Dean's List

PROJECTS

Lego Robot/ENED   January 2023-April 2023
University of Cincinnati, Cincinnati, OH
- Designed and programmed a LEGO robot to perform tasks, showcasing skills in robotics, LabVIEW, and Python.

Vacuum Cleaner Design/ Graphic Designing   January 2023-April 2023
University of Cincinnati, Cincinnati, OH
- Designed a detailed 3D vacuum cleaner model using Siemens NX, incorporating components such as the body, suction mechanism, and filters.

EXPERIENCE

Mechanical Engineering Intern   August 2024-December 2024
Guerbet, Cincinnati, Ohio
- Designed injector components using SolidWorks, assembling them into a comprehensive model that resolved a critical safety hazard.
- Designed and built a functional prototype enclosure for a printed circuit board (PCB) using SolidWorks.
- Created and managed Engineering Change Orders (ECOs) and Manufacturing Change Orders (MCOs) to support engineering and production improvements.

Process Engineering Intern   January 2024-April 2024
Tremco INC., Cleveland, Ohio.
- Created and verified Process and Instrumentation Diagrams (P&IDs) to support Process Safety Management (PSM), ensuring operational safety and efficiency.
- Assisted in packaging machine operations, tested coating samples, and analyzed kettle efficiency to optimize processes

Engineering Intern   June 2023-July 2023
Prime UAV Pvt. Ltd., Gujarat, India
- Played an integral role in the design and development of cutting-edge drone technologies, contributing to the creation of next generation unmanned aerial systems (UAS).
- Developed proficiency in CAD (Computer-Aided Design) software to create detailed drone component designs and 3D models.

Chemistry Lab Teaching Assistant   January 2025-Present
University of Cincinnati, Cincinnati, Ohio
- Assisted undergraduate students during lab sessions, emphasizing safety protocols and accurate experimentation.
- Graded lab reports, explained complex chemistry concepts, and supported students' understanding of practical techniques.

Desk Assistant   August 2023-August 2024
University of Cincinnati, Cincinnati, Ohio
- Provided exceptional customer service by assisting residents and guests with inquiries, requests, and concerns at the university housing front desk.
- Demonstrated strong problem-solving skills by addressing resident issues, including maintenance requests, access concerns, and roommate conflicts, and escalating them as necessary.

EXTRACURRICULAR ACTIVITIES

Tutor   January 2023-December 2023
Wesley Chapel Mission Center, Cincinnati, Ohio
- Assisted undergraduate students during lab sessions, emphasizing safety protocols and accurate experimentation. Provided one-on-one and small group tutoring in math and science, adapting instruction to students' learning styles.
- Supported students across various grade levels, helping improve academic performance and confidence.

SKILLS

Technical: LabVIEW, Python, C++, MATLAB, JAVA, HTML, MS Office, NX, SolidWorks, AutoCAD
Language: Hindi (Professional), Gujarati (Native), French (Beginner)