

Gazal Valvani

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EDUCATION

University of Colorado Boulder

Expected graduation: May 2027

Bachelor of Science in Mechanical engineering

Bachelor of Science in Creative Technology and Design

GPA: 3.397

SKILLS

SolidWorks, Microsoft Excel, C++, Python, Google Suite, Soldering, 3D printing, laser cutting, Figma, HTML, CSS

Certification: Fundamentals of Graphic Design

RELEVANT EXPERIENCES

Exathought technologies | Bangalore, India

June 2024 - August 2024

UI/UX design intern

- Designed wireframes and prototypes for a VR apartment tour app using Figma, enhancing user engagement and experience.
- Collaborated with team members and the design head to review and refine designs, ensuring continuous improvement through feedback.
- Explored various VR/AR implementation methods, contributing to innovative solutions for the app
- Attended daily stand-up meetings to discuss progress, address challenges, and align on project goals

Liquid-solid hybrid rocket | Boulder, Colorado

August 2023 - December 2023

- Collaborated with a team of 7 to analyze statistics to design and test a liquid-solid hybrid rocket in a test fire cell
- Developed a presentation about the logistics and findings of the design to present to a group of over 75 individuals
- Calculated and developed a computational model to predict the rocket performance parameters and control its flight

Aeronica Advanced Technologies | Pune, India

June 2022 - July 2022

UAV research intern

- Researched UAVs, drones, planes, aerodynamics, propulsion, and the Pixhawk flight controller to write a detailed report and conduct a test flight for an agricultural drone
- Developed the hardware and software of a drone to build an agricultural hexacopter
- Composed a presentation on UAVs and delivered it to a team of 17 people

Aeris Communications | USA

June 2021 - August 2021

Intern

- Shadowed various professionals in the marketing department to learn about the utilized software tools
- Programmed Microsoft Excel for lead scoring
- Shadowed professionals in the engineering department to learn about their work

LEADERSHIP

Class governor | Woodstock school

December 2019 - May 2020

- Represented the grade and voiced my classmate's opinions in weekly student council meetings
- Facilitated class nights, gaming tournaments, school functions, and movie nights
- Aided the grade's transition into high school through regular meetings with the Upper Years Head

Founder (Business club) | Woodstock school

January 2022 - May 2022

- Founded and led a business club where students interested in pursuing business could explore the field
- Invited alumni guest speakers working in the students' areas of interest to give talks and hold Q&A sessions
- Enabled the students to create pitch decks for their own business ideas

AWARDS AND AFFILIATIONS

- American Institute of Aeronautics and Astronautics - Officer 2023 - present
- Society of Women in Engineering 2023 - present
- New York Academy of Sciences 2020
- National Honors Society inductee 2020 - 2023