# Aditya Dwivedi

adityadwivedi237@gmail.com in/aditya-dwivedi-b97569249 https://oneadityadwivedi.github.io

## SUMMARY

Engineering student with experience in C++, Python, Assembly and hardware integration. Good background in robotics and Rockets. Proven ability to lead product development from concept to market.

## EDUCATION

### Bachelor of Engineering in Computer Engineering

NBNSTIC • Pune , INDIA

## CERTIFICATIONS

### Payload Engineer

Latin American Space Challenge • 2023

- Demonstrated expertise in optimizing payload configurations to meet mission objectives, ensuring efficient utilization of resources and maximizing scientific output.
- Collaborated effectively with multidisciplinary teams, leveraging my certification to communicate technical concepts and drive project outcomes.

### Lean Six Sigma

Binghamton University • 2022

- Lean Six Sigma is a process improvement approach that uses a collaborative team effort to improve performance by systematically removing operational waste and reducing process variation

## COURSEWORK

### Google Cloud Skills

Google Skills Boost • 2022 • Google Cloud core infrastructure

- handling google cloud backend

## INVOLVEMENT

### PAYLOAD ENGINEER

STES, Pune • STES ROCKETRY • February 2022 - Present

- Designing and developing payloads for experimental rocket launches, ensuring compliance with project objectives and technical specifications.
- Analysing data collected from payload experiments to evaluate performance.
- Participating in project planning and strategy meetings, providing technical expertise and contributing to decision-making processes.

## PROJECTS

### Acoustic Particle Levitation

STES ROCKETRY • February 2023 - October 2023

- Designed and implemented experimental setups for acoustic levitator, utilizing transducers, and control systems to generate standing waves.
- Conducted feasibility studies and theoretical analyses to optimize levitation parameters, including frequency, amplitude, for stable levitation.
- Conducted extensive experimentation and data analysis to characterize the behaviour of levitated particles, investigating pressure distribution.
- Presented research findings at seminar, disseminating knowledge and promoting the potential of acoustic levitation technology in diverse fields.

### IR Sensor Tracking Vehicle

SCHOOL SCIENCE PROJECT • September 2019 - October 2019

- Lead a Team of 8 students.

## SKILLS

**Front End :- HTML, CSS , XML** **HARDWARE :- Arduino , XBee ,PCB schematics**
**Languages :- Python , C++ , ASSEMBLY**