



ADITI GARG

4TH YEAR B.TECH STUDENT (ECE)

PROFILE

Motivated and dedicated individual eager to apply academic knowledge and practical skills in a professional setting. Proficient in circuit design, programming languages, and communication systems fundamentals with strong problem-solving abilities with a collaborative mindset, coupled with a passion for innovation and learning.

INTERNSHIP

Company - Siemens Ltd.

Duration - 19.05.25 - Present

Domain - DCS and Process Automation

Currently interning in the Distributed Control Systems (DCS) domain, gaining hands-on experience in process automation, instrumentation, and control logic configuration using SIMATIC PCS 7 in industrial systems.

Company- Larsen & Toubro, Precision Engineering and Systems.

Duration-10.06.24 - 26.07.24

Project- Unmanned Aerial Vehicles and their Ground Control Systems.

Research focusing on the technical specifications and capabilities of the **MQ-1 Predator** and **RQ-4 Global Hawk UAVs**, including their communication architectures and about **Ground control Systems**.

Hands-on experience in analysing UAV systems and troubleshooting, particularly focusing on the **integration of the sensors**(rangefinder, GPS, air speed) with the flight controller(cube orange)along with the ground communication systems.

PROJECTS

SparkGrid

Tech Stack: ReactJS, NodeJS, Flask, Ethereum, MetaMask, scikit-learn, MongoDB, Tailwind CSS

- Developed a comprehensive dashboard for tracking and selling carbon credits.
- Implemented energy consumption prediction using machine learning, enabling users to download detailed reports in Excel format.
- Integrated blockchain technology for enhanced transparency in energy generation and consumption tracking.
- Designed and implemented secure authentication and authorization using JWT tokens.

Car Management Platform

Tech Stack: ReactJS, NodeJS, ExpressJS, MongoDB, Tailwind CSS

- Engineered a scalable backend using Node.js, Express.js, and MongoDB for efficient car management.
- Implemented role-based authentication and authorization for admins and clients.
- Optimized API request handling with Axios, improving request speed by 15%.
- Utilized Tailwind CSS for a modern, responsive, and maintainable UI design.

EXTRA-CURRICULAR

- Represented states Haryana and Madhya Pradesh in **National** level speed roller and ice **skating championship**.
- Represented Gurgaon at **state** level **badminton championship**.
- Wrote reports as a delegate in **Model United Nations (MUN)** assemblies.
- Interned at **Oriflame** in the marketing sector, gaining valuable exposure to the cosmetics industry.

CO-CURRICULAR

- Achieved **Alpha(A)** grade in B-certificate in **NCC(National Cadet Corps)** Organisation.
- Stood **second position at inter NIT Tennis 2023-24** championship, representing NIT Surat Participated in **INTER NIT Badminton** tournament 2024-25

CONTACT

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EDUCATION

2022-2026

SVNIT,SURAT

- B.Tech in Electronics and Communication
- CGPA 7.53/10.0

2018-2021

SUNCITY WORLD SCHOOL-
GURGAON

- CBSE 12- 96%
- CBSE 10- 95%

SKILLS

Programming Languages

- Python, JavaScript, Java
- CS Fundamentals -DSA, DBMS, OOPS, OS, CN.
- Scikit-learn, Matplotlib, Pandas, NumPy.
- Frameworks - ReactJS, HTML, CSS, Tailwind-CSS, REST API.
- Developer Tools Git - Version Control, GitHub

Additional Skills

- Team-Work and Project Management, Agile-Methodology