

Aditya Damaraju VSSP

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Aditya Damaraju VSSP | Aditya Damaraju

Education

Bachelors of Technology

Vignana Bharathi Institute of Technology
CGPA - 8.0

2019 – 2023
Hyderabad, India

Skills

- | | | |
|----------------------|-------------|---------------------|
| - AutoCAD | - Fusion360 | - C Language |
| - Python | - ChatGPT | - Adobe Photoshop |
| - Adobe Aftereffects | - Marketing | - Digital Marketing |

Certificates

Introduction to Python

Coding Ninjas

Cyber Security Foundation

Palo Alto Networks

Six Sigma Yellow Belt Specialization

University System of Georgia - Coursera

Catia V5

Infosys Springboard

Courses

Data Science and Machine Learning with Python

Coding Ninjas

Present

- Actively pursuing a Data Science and Machine Learning course at Coding Ninjas.
- Strengthening skills in data analysis, predictive modeling, and ML techniques.
- Hands-on experience with Python, TensorFlow, and sci-kit-learn.
- Focused on real-world applications and enhancing data-driven decision-making skills.

Projects

Lane Line Detection

Resource and Skill Management | IEEE - VBIT SB

The Lane Line Detection project is designed for autonomous vehicles, utilizing OpenCV to identify and track lane markings on the road.

- Purpose: Aid vehicle in staying within a single lane without driver assistance.
- Goal: Reduce the risk of accidents by 34%.
- Objective: Enhance road safety and mitigate accidents to 90% by midcentury.

Project on CNC Milling Machine

Mini Project | Mechanical Engineering | VBIT

- Acquired hands-on experience in precision machining techniques.
- Mastered the operation of state-of-the-art Computer Numerical Control (CNC) milling equipment.
- This practical knowledge will contribute significantly to my future in Manufacturing and Engineering.
- Drove a 26% increase in overall CNC Machine usage.


Development of Prototype Hybrid Lighting System (Wind – Solar)

Major project | Mechanical Engineering | VBIT

- As part of a team of four, we innovated and constructed a Hybrid Lighting System that harnesses energy from vertical windmills, leveraging the wind generated by fast-moving vehicles on highways.
- This innovative system actively promotes sustainable energy and road safety through advanced technology.
- It significantly boosts energy generation from Vertical Windmills by 59.6%, benefiting both the environment and road users.
- It generates 2V of electricity in a single revolution. It substantially reduces the utilization of renewable sources by 65%.

Professional Experience

CIPET, Gov. of India

CNC Machine Operator 

Aug 2022 – Oct 2022

Hyderabad, India

- Obtained hands-on expertise in precision machining techniques, ensuring the creation of top-tier components with exceptional quality.
- Proficiently managed state-of-the-art CNC milling equipment, playing a pivotal role in the project's successful execution.
- Accrued invaluable knowledge directly relevant to Manufacturing, further enriching my skill set and expertise.

Organizations

IEEE - VBIT SB

GINI & Membership Development Officer

Sep 2022 – Aug 2023

Harith - Ecoclub VBIT

Chairperson

Jul 2021 – Sep 2022

Ganith - The Mathematics Club

Vice Chairperson

Dec 2021 – Sep 2022

Z.A.R.C.

3D Modelling Intern

Sep 2021 – Oct 2021

Sowparnika 2K21 | IETE - ISF VBIT

Mentor | 3D Modelling

Jun 2021 – Aug 2021