

Aditya Routh

☎ +91 988396807 | ✉ adityarouth.2611@gmail.com

in <https://www.linkedin.com/in/aditya-routh/> | <https://github.com/iamadro>

EDUCATION

VIT Bhopal University, Bhopal B. Tech in Aerospace Engineering	2022 – 2026 8.88 CGPA
Jermels' Academy, Siliguri, West Bengal Intermediate (XII)	2020 – 2022 96.2 %
Jermels' Academy, Siliguri, West Bengal High School (X)	2014 – 2020 94.4 %

EXTRA-CURRICULARS

- Served as Student Event Coordinator for the Robotics Club (Oct 2024 – Oct 2025), leading event planning, team coordination, and execution of robotics-related workshops, competitions, and technical sessions.
- Selected through a competitive college screening process to participate in the Smart India Hackathon, showcasing problem-solving skills, innovation, and teamwork.
- Actively participated in school debate teams, enhancing public speaking, critical thinking, and argumentation skills. Additionally, competed as a chess player, developing strategic thinking, problem-solving, and decision-making abilities.

PROJECTS

- **Sign Language Translator** | Python, Mediapipe
 - Code written Python.
 - Was given the role of model training.
 - Learned to use resources like OpenCV, Mediapipe, and ScikitLearn to create video-based ML projects.
 - Source code: https://github.com/iamadro/sign_language_translator/
- **Food Recipe Recommender**
 - Web-based platform to recommend food recipes to users based on the ingredients they already possess.
 - Was part of making the front-end.
 - Website link: https://iamadro.github.io/recipe_recommendation/
 - Grade received: S-grade (greater than 90%)

CERTIFICATION

- **Applied Machine Learning in Python**
 - Offered by Coursera, authorized University of Michigan.
 - Certified on the completion of the course “Applied Machine Learning in Python”.
 - Certificate link: https://drive.google.com/file/d/1vyALNWvKFw7k_wuLjujaHtPEfz2vADs9/view?usp=sharing
- **Computer Vision**
 - Offered by Vityarathi
 - Image preprocessing techniques including noise removal, filtering, and enhancement.
 - Object detection and recognition using algorithms like Haar cascades and deep learning models.
 - Image segmentation methods for extracting meaningful regions of interest.
 - Feature extraction and matching for pattern recognition and image alignment.
 - Certificate link: https://drive.google.com/file/d/17wsRMAfPnNeFsmqxHbDNYr7YFio51iem/view?usp=drive_link
- **Privacy and Security in Online Social Media January - April 2024**
 - Certified by NPTEL Online Certification, authorized by IIT Hyderabad.
 - Scored among the top 5% in the offline certification exam.
 - Certificate link: <https://drive.google.com/file/d/1PufZsraRMSr-gQ7Yg2gO3jub1ZDm3gzh/view?usp=sharing>

TECHNICAL SKILLS

Programming Languages: Python, C++, C

Databases: MySQL

Proficient in: Databases, Computer Networks, Operating System