

# Aditya Routh

☎ +91 98839 16807 | ✉ adityarouth.2611@gmail.com

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

## EDUCATION

<b>VIT Bhopal University, Bhopal</b> B. Tech in Computer Science (specialization in Artificial Intelligence and Machine Learning)	2022 – 2026 8.88 CGPA
<b>Jermels' Academy, Siliguri, West Bengal</b> Intermediate (XII)	2020 – 2022 96.2 %
<b>Jermels' Academy, Siliguri, West Bengal</b> 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/](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/](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](https://drive.google.com/file/d/1vyALNWvKFw7k_wuLjujaHtPEfz2vADs9/view?usp=sharing)
- **Computer Vision**
  - Offered by Vityarthi
  - 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](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