# Aditya Harsh

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## Professional Summary

Aspiring technology professional specializing in AI/ML with proven skills in computer vision, deep learning, cloud deployment, and solution delivery. Experienced in collaborating with cross-functional teams to translate business needs into scalable technical implementations using Python, TensorFlow, PyTorch, and AWS. Strong communicator passionate about driving innovation and business transformation through technology.

## Technical Skills

- **Programming:** Python

- **AI/ML Frameworks:** TensorFlow, Keras, PyTorch, Scikit-learn

- **Computer Vision:** OpenCV, YOLO, Object Detection, Image Classification

- **Deep Learning:** CNNs, Model Training, Performance Optimization

- **Cloud Platforms:** AWS

- **Data Processing:** NumPy, Pandas, Data Preprocessing, Feature Engineering

## Experience

- **Elevate Labs** — Remote
  *AI/ML Intern* — *March 2025 – April 2025*
  - **Machine Learning Models**: Developed and deployed classification models achieving 90%+ accuracy using supervised learning techniques.
  - **Data Processing**: Performed data cleaning and feature engineering on machine learning datasets to improve model quality.

- **Internship Studio** — Remote
  *AWS Cloud & Robotics Intern* — *March 2024 – April 2024*
  - **Cloud Deployment**: Deployed Robot Operating System (ROS) on AWS cloud infrastructure for scalable robotics applications.
  - **Cloud Resource Management**: Managed virtual machines and cloud resources for machine learning applications.

## Projects

- **Automatic Number Plate Recognition**

  - Implemented computer vision algorithms using OpenCV and YOLO for vehicle plate detection with 90%+ accuracy.
  - Developed an end-to-end pipeline for real-time license plate identification with optimized preprocessing.

- **Face Mask Detection System**

  - Built real-time mask detection using TensorFlow CNN and OpenCV.
  - Trained convolutional neural networks on labeled face image datasets and integrated live alert functionality with optional Flask web deployment.

- **AWS Chatbot Integration**

  - Developed intelligent chatbot using Amazon Lex for natural language processing.
  - Deployed on AWS Amplify with scalable infrastructure for automated customer interactions.

## Education

- **Unitedworld Institute of Technology, Gujarat** — India
  *B.Sc. (Hons.) Computer Science* — *Ongoing*
  - Relevant Coursework: AI/ML, Data Mining, Deep Learning

## Certifications & Awards

- Generative AI Certification – Scaler Academy

- Deep Learning Specialization – Scaler Academy

- 1st Place Winner – UI/UX Design Competition