

Waqas Ahmad

AI Solutions Developer

Yar Hussain, Pakistan — +92 313 5565892

waqaskhanwaqas713@gmail.com — github.com/waqasahmad713

SUMMARY

AI and Machine Learning Engineer specializing in Deep Learning and Computer Vision. Experienced in building real-world AI systems including autonomous driving, predictive modeling, and object detection pipelines. Currently working as an AI Developer at CAIET Mardan after completing an internship at NCAI Lab Peshawar.

TECHNICAL COMPETENCIES

- **Machine Learning & Deep Learning:** CNNs, RNNs, LSTM, YOLOv8/v11, Transfer Learning, Neural Network Architectures
- **Programming Languages:** Python (Pandas, NumPy, Scikit-learn), HTML, CSS, JavaScript, SQL
- **Frameworks & Tools:** TensorFlow, PyTorch, OpenCV, Flask, Roboflow, Git, Jupyter Notebook, Google Colab
- **Soft Skills:** Team Leadership, Project Coordination, Technical Communication, Problem Solving, Research Thinking

EDUCATION

B.Sc Artificial Intelligence

2021 – 2025

Abdul Wali Khan University Mardan

- Focus: Deep Learning, Computer Vision, Neural Networks, AI Systems Design
- Final Year Project: AI-Based Self-Driving Car Prototype

EXPERIENCE

AI Intern

June 2025 – Dec 2025

NCAI Lab Peshawar

- Developed AI-based research and real-world computer vision systems
- Worked on deep learning pipelines and model optimization

Python Intern

Aug 2023 – Sep 2023

Codsoft

- Built Python-based automation and ML mini-projects

PROJECTS

AI-Based Self-Driving Car (Final Year Project)

- Designed autonomous driving system using CNN and OpenCV
- Implemented lane detection, object recognition, and decision-making module

Weather Forecasting System

- Developed LSTM-based time series prediction model
- Integrated Flask backend for real-time web deployment

Nutrient Deficiency Detection System

- Built YOLOv11 model for 9-class banana plant disease detection

Smart Parking System

- Implemented OpenCV-based vehicle detection and parking automation system

LEADERSHIP

Coordinator — Technology & Innovation Society

- Led technical workshops and managed events for 200+ students

Co-Founder — University Help Desk

- Developed support system serving 600+ students across departments

CERTIFICATIONS

- CS50's Introduction to AI with Python — Harvard University
- Programming for Everybody (Python) — Coursera

INTERESTS

Computer Vision, Autonomous Systems, Deep Learning, AI Research