

ANAS AHMED

ARTIFICIAL INTELLIGENCE UNDERGRADUATE & ML ENGINEER

CONTACT

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- Machli Bazaar, BWP

SKILLS

- Python Programming
- Mathematics for AI
- Machine Learning Models
- Deep Learning Models
- Computer Vision
- Tensorflow
- PyTorch
- Scikit Learn
- N8n
- FastAPI
- Creative Thinking

LANGUAGES

- English (Fluent)
- Urdu (Fluent)

CERTIFICATIONS

- AI for Everyone (DeepLearning AI)
- Machine Learning Foundations (AWS)
- Convolutional Neural Networks (DeepLearning AI)
- Certificate in Artificial Intelligence (9 months long course by DeepEmbed Lab)

PROJECTS

- Broiler Weight Prediction using CNN
- Monocular Depth Estimation using CNN
- Object Detection and Segmentation using YOLO
- 2D to 3D construction using Computer Vision
- QLora Finetuning on LLMs on the following datasets:
 - Socratic Dialogue
 - GSM8K for Maths
- AI-based Whatsapp Automation Agent (ongoing)
- Computer Vision-Based Expiry Date Detection System for a Pepsi Franchise
- Custom Vision Transformer Architecture from Scratch



PROFILE

I am a Python Developer specializing in Machine Learning & AI development. My main interests lie in development of AI Model architectures and how they can be used to solve real world problems. My expertise lie in Computer Vision applications, and niche AI systems that require out of the box thinking.



WORK EXPERIENCE

DeepEmbed Lab

AI and ML Intern

DEC 2024 - AUG 25

- Learned professional practices regarding end-to-end ML and DL workflows.
- Learned basic model architectures (Dense, Convolutional, LSTMs, Transformers, Encoder-Decoder, etc.)
- Developed multiple end-to-end Computer vision and Machine Learning Projects (Monocular Depth using NYU-Depth-v2 Dataset).
- Fullstack AI Based food recipe generator using custom ViT for classification

DeepEmbed Lab

AI and ML Researcher

JUN 2025 - Current

- Formulated and implement detailed AI strategies and ML, DL models. Lead teams through on-site data collection, and pre-processing pipelines in industrial projects (**Broiler Weight Estimation**).
- Working on AI based solution for **Human Activity Recognition using WiFi Channel State Information** as AI Developer.

DataMinds

AI and Automation Engineer

MAR 2025 - AUG 2025

- Worked on automation tasks using LLM APIs, Selenium and API automation to automate workflows for clients from India and United States (E-mail Automation, AWS Vendors and Marketing API, Cloud Deployment, etc).
- Worked on LLM APIs integration in customer support solutions.



EDUCATION

F.Sc. Pre-Engineering - 84%

Roots IVY Signature School, DHA, Bahawalpur

2021 - 2023

Bachelor's in Artificial Intelligence - CGPA 3.70

The Islamia University of Bahawalpur
(currently enrolled in 6th Semester)

2023 - 2027