

# Muhammad Munawar Khan

## Aspiring AI/ML Engineer

Final year Computer Science student and aspiring AI/ML Engineer with foundational knowledge of Machine Learning, Deep Learning, NLP, LLM and RAG based applications using Langchain. Passionate about applying AI technologies to real-world problems and continuously enhancing technical and practical skills. Seeking opportunities to grow and contribute in the field of Artificial Intelligence and Machine Learning.



✉ munawirkhan774@gmail.com

📞 +923251087765

📍 Mianwali, Punjab, Pakistan

🌐 muhammad-munawar-khan

🔗 munawar123421

## EDUCATION

### Bachelor of Science in Computer Science

Namal University Mianwali

#### Courses

- Object Oriented Programming
- Database Systems
- Artificial Intelligence
- Deep Learning
- Software Engineering
- Data Structures & Algorithms
- Computer Networks
- Machine Learning
- Natural Language Processing
- Cloud Computing

## PROJECTS

### COLORIQ: AI Powered Color Correction System For E-Commerce Clothing Images

#### FINAL YEAR PROJECT

Developed an AI-based color correction system for clothing images using a custom U-Net model. Built a full-stack application using Next.js, FastAPI, and Azure to help users visualize the correct colors of clothes in product images online.

### DOCMIND: PDF Chat Application

#### PERSONAL PROJECT

Built DOCMIND, a PDF chat application using RAG and LangChain for querying documents. Implemented PDF processing with chunking, embeddings, and vector database for semantic search and context-aware responses.

### Detect Fish & Count Problem using Computer Vision

#### PERSONAL PROJECT

Developed a YOLOv8n-based computer vision system to detect and count fish in videos using a Roboflow dataset. Built a pipeline to process videos, generate frame-wise detections, and store annotated outputs with counts.

### Customer Churn Prediction

#### PERSONAL PROJECT

Built a customer churn prediction model using ensemble methods to analyze behavior and predict churn patterns for decision support.

## TRAINING

### AI/ML Training

#### CAID: AI & BIG Data Center

Completed AI/ML training at CAID: AI and Big Data Center with hands-on experience in no-code ML, Streamlit apps, and computer vision using Roboflow & yolo models. Gained exposure to cloud, edge computing, and HPC systems. Worked on job scheduling, distributed training, and HPC node architecture.

## SKILLS

- PYTHON
- NUMPY
- PANDAS
- MATPLOTLIB
- SEABORN
- SCIKIT LEARN
- TENSORFLOW
- STREAMLIT
- FASTAPI
- LANGCHAIN
- MICROSOFT AZURE
- SQL
- ROBOFLOW
- GITHUB
- GIT
- PROMPT ENGINEERING
- RAG
- LORA/QLORA
- ORANGE DATA MINING
- TEAM WORK
- CONTINUOUS LEARNING

## CERTIFICATES

### Machine Learning Classification Bootcamp in Python

Udemy

Built multiple machine learning classification projects in Python using KNN, SVM, Decision Tree, Random Forest, Logistic Regression, and Naive Bayes for practical problem-solving.

### Artificial Intelligence on Microsoft Azure

#### Coursera

Learned fundamentals of AI on Microsoft Azure, including machine learning, computer vision, NLP, and responsible AI concepts using Azure services.

### Microsoft Azure Machine Learning

#### Coursera

Learned Microsoft Azure Machine Learning fundamentals, including no-code model building, training, and deployment using Azure ML Studio with classification, regression, and clustering techniques.

### Generative AI: Prompt Engineering Basics

#### Coursera

Learned basics of prompt engineering, including techniques, types, and tools for optimizing LLM prompts. Explored PromptBase for practical prompt usage and marketplace understanding.

## LANGUAGES

#### ENGLISH

Professional Working Proficiency

#### URDU

Native or Bilingual Proficiency

## INTERESTS

- AI POWERED SOLUTION
- AZURE SERVICES
- PLAYING