

# Umair ali

## Artificial intelligence Engineer

Dedicated and skilled Python programmer passionate about leveraging cutting-edge technologies, including generative AI, LLMs like Mistral and Gemini, and machine learning, to develop innovative solutions. Proven expertise in creating intelligent, data-driven applications that solve real-world problems and drive technological advancement.

✉ [umairchanna57@gmail.com](mailto:umairchanna57@gmail.com)

📍 Lahore, Pakistan

🐙 [github.com/umairchanna57](https://github.com/umairchanna57)

📞 +92 306 2619063

🌐 [linkedin.com/in/umair-ali-7bb220245](https://linkedin.com/in/umair-ali-7bb220245)

📖 [stackoverflow.com/users/23435456/umair-ali](https://stackoverflow.com/users/23435456/umair-ali)

## EDUCATION

### Computer Science

COMSATS University Islamabad

08/2020 - 05/2024

3.01

#### Courses

- Artificial Intelligence
- Natural Language Processing
- Object-Oriented Programming
- Probability & Statistics
- Data Structure & Algorithms
- Data Base

## PROJECTS

### Dental Disease Detection

COMSATS University Islamabad

05/2023 - 05/2024

#### Final Year project

- Developed a dental disease detection system using UNET and transformer models, deployed as a Flask API with a JavaScript website for easy access

### Multi-System Prompts Bot (AI Chatbot Project)

Saynt AI

07/2024 - 07/2024

#### Generative AI

- Developed an AI chatbot using the LLM Mistral Algorithm for jokes, recipes, and news on the War in Palestine, integrating Hugging Face, LangChain Wikipedia retriever, and Math Python Libraries.

### Disease type Prediction

Health care

07/2023 - 08/2023

#### Product Based

- Developed a web app for spam and disease prediction using Naive Bayes and Decision Tree models with Flask, scikit-learn, and SQLite, offering user-friendly interfaces and accurate predictions.

### Message-Spam Prediction

Contribution

04/2024 - 04/2020

#### Text Classification

- Developed a web app for spam detection using Naive Bayes, Flask, and scikit-learn, trained on 'Roman Urdu DataSet.csv' for accurate spam/ham predictions.

### Hospital System

University Hospital

01/2023 - 05/2023

#### Product Based

- Revamped hospital management system with innovative features including real-time analytics, automated appointment scheduling, and inventory management. Developed using Django, JavaScript, Bootstrap, and SQLite for seamless performance

## SKILLS

Python

Machine Learning

Deep learning

LLM (Basic)

TensorFlow (Basic)

Pytorch

Langchain

Hugging Face

Django

Flask

Numpy, Pandas, Scikit Learn

Data Scrapping

Computer Vision

Matplotlib, Seaborn

Keras (Basic)

SQL

PostgreSQL

Postman

## WORK EXPERIENCE

Gallant IT Solutions and EngineeringCode Clause  
(05/2023 - 08/2023)

- Interned for 3 months at Gallant IT Solutions and Engineering, focusing on Artificial Intelligence and Unity development from July 1 to August 1, 2023. Enhanced expertise in ML, Deep Learning, and Computer Vision, alongside refining teamwork, problem-solving, and decision-making skills

RESEARCH INTERN (03/2023 - 01/2024)

- I contributed to Alzheimer's disease research with Chosen University Korea, culminating in the publication of a comprehensive review paper. This involved synthesizing current literature to provide valuable insights into Alzheimer's pathology and potential treatment strategies.

## CERTIFICATES

Data Manipulation with pandas(DataCamp)

Exploring and Analyzing Data in Python(DataCamp)

Machine Learning with Python (freeCodeCamp)

Introduction to Data science in Python(Coursera)

Neural Networks and Deep Learning(DeepLearning.AI)

Introduction to Machine Learning in  
Production(DeepLearning.AI)

Responsive Web Design(freeCodeCamp)

## LANGUAGES

English

Limited Working Proficiency

Urdu

Full Professional Proficiency

## INTERESTS

Artificial Intelligence

Problem Solving

Machine Learning