

Muhammad Husnain Ali

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🔗 MuhammadHusnainAli.vercel.app in MuhammadHusnainAli73

Education

Superior University
BS in Computer Science

Feb 2022 – Feb 2026

- GPA: 3.6/4.0
- **Coursework:** Artificial intelligence , Machine Learning , Deep Learning , NLP , Chatbot

Experience

Data Science Intern
Swift Solver

Remote , Lahore
Oct 2023 - Dec 2023

- Collected data from Stack Overflow by targeting specific tags
- Conducted data preprocessing and trained a Large Language Model (LLM) on the curated dataset
- Applied various algorithms to improve model performance and efficiency

Python + AI Intern
Purelogics

Lahore, Pakistan
June 2023 – Sep 2023

- Acquired skills in data preprocessing, data visualization, feature extraction, model training, and evaluation
- Trained CNN and RNN models on various datasets
- Fine-tuned a large language model on a custom dataset, OpenAI's GPT-3.5 Turbo for optimal results
- Deployed the application using Streamlit to create an interactive UI for the chatbot

Projects

Doc Assist Ai

[click here live preview](#) 

- Developed a document assistant that enables users to upload PDFs and ask questions based on the content, with support for multiple PDF documents.
- Tools Used: Python , Large Language Model , Gemini Ai , Streamlit

Cooking Ai Assistant

- I led an NLP project utilizing OpenAI's GPT-3.5 Turbo model with a cooking dataset from Hugging Face, performing data preprocessing, fine-tuning, and deploying the project using Streamlit, showcasing my expertise in NLP and advanced pretrained models.
- Tools Used: Python , Large Language Model , OpenAi , Streamlit

Voice Text Ai Lab

[Github Link](#) 

- Developed a Flutter app that integrates AI features, including text-to-speech, speech-to-text, and text generation, with Firebase as the database solution.
- Tools Used: Ai , Text to speech , text generation , Firebase , Flutter

Technologies

Tech Stack: Python , Machine Learning , Deep Learning , Computer vision, LLM , Chatbot

Frameworks: Scikit-Learn , Tensorflow , pytorch , cv , nltk , openai , streamlit , numpy , pandas , matplotlib