

# Ali Hassan

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## EDUCATION

COLLEGE, UNIVERSITY	Graduation year
Defence Degree College Lahore    Grade( A )	from 2020 / 22
Lahore Garrison University	from 2022 / 26

## PROFESSIONAL EXPERIENCE

### Professional Summary

Experienced Machine Learning Engineer and Data Scientist specializing in Deep Learning, predictive modeling, and data analysis using Python, TensorFlow, and Keras. Proficient Full Stack Web Developer with expertise in React, Flask, FastAPI, and one month of experience with Django. Extensive project experience at a local software house. Currently exploring Generative AI and Langchain, passionate about innovation and continuous learning. Skilled at transforming complex data into actionable strategies and optimizing web applications. Committed to leveraging technology to solve complex problems and drive positive business impacts.

Freelance Machine Learning Engineer

from 02/June to 5/July/2024

Location: Lahore, Pakistan

- Developed a Skill Finder application that utilizes machine learning to analyze resumes and match them with job descriptions based on required skills. The project was built using a Python-based machine learning model, deployed with Flask for the backend API, and integrated with a React frontend for a seamless user experience

DataHorse, Machine Learning Engineer

From 20/Aug to 7/Sept/2024

Location: Lahore, Pakistan

- Developed an advanced data analysis tool at DataHorse using a large language model (LLM). Implemented a Streamlit app that leverages Groq API for generating Python code to process and analyze data, improving efficiency in handling and visualizing datasets.

## PROJECTS & EXTRACURRICULAR

Face mask detection

From 2/Feb to 3/Mar/2024

- This project is a Streamlit web application that detects whether a person is wearing a face mask using a Convolutional Neural Network (CNN). The application offers three options for input: uploading an image, entering an image URL, or capturing a live image using a webcam. [Github Link](#)

Face Recognition Attendance System

March/02/2024

- This project uses FastAPI to deploy an attendance system integrated with face recognition. It captures live video from a webcam, detects faces, matches them with a pre-defined list of known faces, and mark attendance accordingly. [Github Link](#)

Langchian Gemini QuizGenius Application

March/02/2024

- QuizGenius is an interactive Multiple Choice Questions (MCQ) application powered by LangChain, Streamlit, and Gemini. It allows users to generate and answer MCQs on various topics, providing immediate feedback and performance rewards. [Github Link](#)

## SKILLS

**Programming languages:** Html, CSS, Java Script, Python, C++, SQL

**Computer software/ frameworks:** Django, Flask, FastApi, Computer Vision, OpenCV, Tensorflow, Streamlit, MLflow, NLP, LangChain, Docke, scikit-learn, Keras , React, Vite, Seaborn, Matplotlib, Pandas, Mlops, Github