

Ali Hassan

26 Awami Colony, Ghazi Road, Lahore + 92 03048630925 <https://linkedin.com/in/ali hassanml/>
github.com/ali hassanml kaggle.com/ali hassanml ali hassanml.vercel.app/ [ali hassanbscs99@gmail](mailto:ali hassanbscs99@gmail.com)

EDUCATION

COLLEGE, UNIVERSITY

Intermediate in Computer Science

Getting | A Grade | 84% (1st Year), 79% (2nd Year)

Defense Degree College

2020-22

Bachelor of Science in Computer Science

6th Semester (In Progress)

Lahore Garrison University

2022-26

PROFESSIONAL EXPERIENCE

Professional Summary

A results-driven Data Scientist, Machine Learning Engineer, and Full Stack Developer with expertise in designing, developing, and deploying AI-powered solutions. With a strong foundation in *mathematics, statistics*. I specialize in *machine learning, deep learning, and generative AI*, leveraging technologies like *LangChain, LSTMs, Transformer*, and YOLO-based object detection. My experience extends to MLOps and cloud deployment, including AWS, CI/CD pipelines, and Docker, ensuring scalable and efficient model operations. Additionally, my full-stack development skills in React, *TypeScript* and *FastAPI* enable me to build robust end-to-end applications. Passionate about applying AI to real-world problems, I thrive on innovation, problem-solving, and delivering impactful solutions.

DeDolphins Tech

Location: **Belgium (6+ months experience)**

From Aug 2024 to

Jan 2025

Machine Learning Engineer

Developed an advanced data analysis tool for **DataHorse AI** using Large Language Models (LLMs). Streamlit app with **Groq** to automate Python code generation for data processing and visualization

Full Stack Developer

Designed and developed **Kontaktly.ai**, a platform for creating and embedding custom AI chatbots. Engineered the frontend with React and TypeScript, ensuring a seamless, responsive user experience. Built a scalable backend using *FastAPI*, optimizing API performance and management. Integrated *LangChain* for chatbot fine-tuning, enabling personalized interactions.

Freelance Project

Jan 02-20 2025

Location: **Pakistan (2+ months experience)**

Developed a YOLO-based object detection system using FastAPI, enabling real-time image analysis for student final-year projects. Implemented custom-trained models, database storage, and data visualization, along with a user-friendly web interface for seamless interaction. **Github**

PROJECTS & EXTRACURRICULAR

Magic Wand Project - LUMS Hackathon

Dec/25/2024

Developed a real-time drawing and recognition system using *OpenCV, LSTM*, and *GRU* models, achieving 89% accuracy. The project enabled users to draw with a stick and predict the drawn shape, securing 3rd place in the leaderboard. **Github**

Quiz Genius Application

March/02/2024

Developing (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**

SKILLS

Machine Learning (Supervised and Unsupervised learning). **Deep Learning** (ANN,CNN,RNN,LSTM,GUR, Transformers). **Statistics** (Linear algebra). **Python** (Tensorflow, Keras, Computer vision, Pandas, Seaborn, Django, Langchain, Langgraph, Gemini, Openai, Groq, sklearn). **Database** (SQL, Mongodb, Postgresql). **Clouds** (Azure, Aws, Netlify, Vercel, Heroku, Docker, Ollama). **MLOPS**. **Web Development** (React, Type Script, Fastapi).