Haris Ismail

AI/ML Engineer

👤 Profile

Aspiring AI/ML Engineer with hands-on experience in computer vision, natural language processing, and large language model fine-tuning, including Retrieval-Augmented Generation (RAG). Proficient in Python, SQL/NoSQL databases and Flask/Flutter based development. I also have experience in full-stack web-development using ASP.NET. Adept at building intelligent systems that leverage AI to solve real-world problems.

🎓 Education

BS(AI), Ghulam Ishaq Khan Institue of science and technology

September 2022 — September 2026

Currently pursuing my bachelors in Artificial Intelligence at GIKI.

💼 Projects

Smart Attendence System

Python, YOLO, DeepFace, Flask, React, SQLite
Computer Vision based system that automates attendance marking from group photos using facial recognition. Integrated YOLO for real-time face detection and DeepFace for accurate identity matching. Designed a full-stack architecture with React (frontend), Flask (backend), and SQLite for storage. The system significantly reduces manual effort and improves accuracy in classroom attendance tracking.

Autonomous-Driving Accident Prevention System using YOLOv5 and LSTM

Python, PyTorch, YOLOv5, LSTM, OpenCV, Flutter, Feature Extraction
Deep Learning based accident prevention system that forecasts vehicle collisions in real-time from dashcam surveillance footage. Leveraged YOLOv5 for object detection and LSTM networks for modeling/learning temporal vehicle dynamics using the CADP datasets. Achieved early collision detection 2–4 seconds before impact. Flutter-based interface for real-time video upload, vehicle tracking, and accident alert.

Customer Service Chatbot

GPT-3(OpenAI)LLM, spaCy, Flask, Javascript, Hugging Face, AWS

Chatbot integrated into a laptop stores website using GPT-3 (OpenAI) for handling customer inquiries on product specifications, pricing, availability, and personalized recommendations. Fine-tuned GPT-3 on real customer queries, built a Flask backend for seamless communication with the model, and created a real-time JavaScript interface for customer interaction. Hosted on AWS to ensure scalability

Details

Rawalpindi
Pakistan
+923418904011
u2022201@giki.edu.pk

Skills

Scikit-Learn

TensorFlow/Keras

OpenCV, spaCy

Hugging Face Transformers

FaceNet, DeepFace

MySQL, PostgreSQL

MongoDB

React, Javascript

ASP.net, C#

Flask/Django

Flutter

AWS

GitHub