

AMIR AIJAZ

AI ENGINEER

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ABOUT ME

I am an AI Engineer specializing in computer vision, NLP, LLM integrations, and generative AI. With expertise in Python, Flask, FastAPI, and PyTorch, I develop and deploy AI-driven solutions on AWS. My work includes real-time face recognition, AI-generated content, chatbot development, and depth estimation. Passionate about solving real-world problems, I stay updated on the latest ML and cloud technologies to drive AI innovation.

EDUCATION

UNIVERSITY OF KARACHI
BACHELORS IN COMPUTER SCIENCE
2021 - 2024

GOVT. DEHLI COLLEGE
PRE-ENGINEERING
2018 - 2020

SKILL

- Generative AI (Gen AI)
- Large Language Models (LLMs)
- Chatbots
- Computer Vision
- Object Detection
- AWS
- Flask & Django
- API Integration
- MySQL
- Real-Time Applications

WORK EXPERIENCE

Codenexo - Jr. AI Engineer JAN 2025-NOW

- Developed an AI-generated newsletter using prompt engineering and the Claude API.
- Built a Flask-based application that generates blogs and podcasts from YouTube videos.
- Automated Asana tasks to improve workflow efficiency.
- Deployed AI applications on AWS for scalability and performance.

The Disrupt Labs - Computer Vision Intern JUN 2024-OCT 2024

- Developed a 2D object distance measurement system using a single camera for warehouse monitoring.
- Implemented and tested depth estimation models to enhance spatial awareness in confined spaces.
- Applied computer vision techniques to optimize object placement and logistics in warehouses.
- Researched and integrated state-of-the-art computer vision methodologies for real-world industrial applications.

Smart City Lab, NCAI - AI Intern DEC 2023-MAY 2024

- Developed an NLP-based chatbot in Arabic for medical applications using Python.
- Conducted comparative research on speech-to-text technologies (Google Speech, Whisper, Wav2Vec) to evaluate accuracy and performance.
- Gained hands-on experience in NLP, speech processing, and computer vision through interdisciplinary projects.

PROJECTS

- AI-Generated Newsletter** - Developed using Claude API and prompt engineering.
- Blog & Podcast Generator** - Flask app that converts YouTube videos into blogs and podcasts.
- Realtime Face Recognition Attendance System** - Uses OpenCV and Firebase for automated attendance.
- Sign Language Detection** - Real-time hand gesture recognition using computer vision and ML.

CERTIFICATIONS

- AI FOR EVERYONE - COURSERA
- PYTHON FOR DATA SCIENCE, AI & DEVELOPMENT - COURSERA
- ASK QUESTIONS TO MAKE DATA-DRIVEN DECISIONS - COURSERA