

AMIR AIJAZ

AI ENGINEER

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Portfolio: <https://portfolio-amiraijaz.vercel.app/>

Github: <https://github.com/amiraijaz>

ABOUT ME

I am an AI Engineer with almost 2 years of experience, specializing in computer vision, NLP, LLM integrations, generative AI, and full-stack development (React.js, Next.js, Flask, FastAPI). I build and deploy scalable AI-driven SaaS applications on AWS, combining deep learning with modern web technologies.

EDUCATION

UNIVERSITY OF KARACHI
BACHELORS IN COMPUTER SCIENCE
2021 - 2024

GOVT. DEHLI COLLEGE
PRE-ENGINEERING
2018 - 2020

SKILL

- AI SaaS Development
- Computer Vision (Object Detection, Image Segmentation, Face Recognition)
- Generative AI (Content Generation, LLM Applications)
- LLM Integrations (Custom Agents, Prompt Engineering)
- Automation (Zapier, Make, & n8n)
- AI Voice Agents (VAPI, ELEVAN Labs, AssemblyAI)
- Full-Stack Development (React.js, Next.js, Flask, FastAPI)
- API Integration and Development Deep Learning (PyTorch)
- Cloud Deployment (AWS Services, Docker)

WORK EXPERIENCE

Codenexo - Jr. AI Engineer

JAN 2025 - PRESENT

- 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.

Freelancer - AI Developer

JUN 2023 - Present

- Designing and deploying AI-powered SaaS applications.
- Developing AI chatbots and voice agents using LLMs and speech technologies.
- Creating full-stack applications with React.js, Next.js, Flask, and FastAPI. Building computer vision solutions including facial recognition and image enhancement.
- Automating real-time systems for education, healthcare, and industrial sectors.
- Integrating AI models into user-friendly and production-ready platforms

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 Voice Educational Agent** - An interactive voice agent that assists users with educational content using speech recognition and NLP.
- 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.
- SignVision: Sign Language Translation System** - Real-time hand gesture recognition using computer vision and ML.
- Fog Removal for Autonomous Vehicles** - Developed an image enhancement model to improve vision clarity in foggy conditions for autonomous driving systems.
- IELTS Speaking Practice Bot** - The IELTS Speaking Practice Bot is an AI-driven project aimed at simulating real IELTS speaking interviews.
- Appointment Booking Voice Agent** - A voice-powered system that automates appointment bookings through natural conversation.