

Abdul Basit Allahwala

AI Engineer • basitallahwala@gmail.com • +92 326 939 3738 • Karachi, Pakistan
linkedin.com/in/basit-allahwala-6aa680225

PROFESSIONAL SUMMARY

AI Engineer with 1+ year of experience building production grade AI systems across LLMs, RAG, Computer Vision, OCR, and Speech to Text. Skilled in designing and shipping end to end AI products using OpenAI, Claude, Gemini, LangChain, FastAPI, Pinecone, Whisper, and YOLO, with a strong foundation in semantic search, vector databases, and intelligent document processing.

PROFESSIONAL EXPERIENCE

AI Engineer

May 2025 to Present

Sixlogs Technologies, Karachi, Pakistan

- Designed and shipped a Meeting Intelligence Platform (Recall.ai, OpenAI, Pinecone, FastAPI) to automate meeting participation, transcript processing, and AI driven insight generation.
- Built real time webhook pipelines for transcript ingestion, chunking, embedding generation, and vector storage in Pinecone, substantially reducing manual note taking effort.
- Implemented semantic search and RAG workflows for contextual Q&A and automated SOW document generation.
- Integrated OpenAI models to extract meeting summaries, action items, key insights, and business intelligence signals.
- Used PostgreSQL for persistent storage of meetings, transcripts, and insights; deployed services with Docker for reliable, repeatable releases.

PROJECTS

Advanced RAG System for Pharmaceutical Compliance

Tech Stack: LangChain, ChromaDB, SBERT, Mistral 7B, Hugging Face, Python, RAG

- Built a RAG system for pharmaceutical compliance documentation, enabling context aware Q&A across multiple document collections.
- Optimized chunking strategies and embedding pipelines to improve retrieval accuracy over the baseline.

Computer Vision Inspection System

Tech Stack: YOLO, Roboflow, OpenCV, OpenAI Vision, Python

- Fine tuned YOLO models on a custom dataset for automated visual inspection; developed video analysis pipelines with frame filtering and anomaly detection.

OCR & Document Intelligence System

Tech Stack: OpenAI Vision, Claude Vision, EasyOCR, PaddleOCR, Tesseract OCR, Python

- Evaluated and benchmarked four OCR engines across diverse document types; built structured extraction pipelines for scanned documents and images.

AI Quiz Generation Platform

Tech Stack: Whisper, OpenAI, YouTube API, LLMs, Python

- Built an end to end platform generating quizzes from videos using Whisper for transcription and LLMs for question generation; automated content ingestion workflows.

Automatic License Plate Recognition System

Tech Stack: YOLOv8, OCR, OpenCV, PyTorch, Python

- Fine tuned YOLOv8 and integrated OCR for license plate detection and text extraction; improved accuracy through image preprocessing and model optimisation.

TECHNICAL SKILLS

Languages: Python (primary), JavaScript, Node.js, Java, C, SQL

AI / ML: LLMs, RAG, Prompt Engineering, Fine tuning, Embeddings, Computer Vision (YOLO, CNNs), OCR, Speech Recognition, Transformers, Multimodal AI

Frameworks / Libraries: LangChain, FastAPI, Flask, PyTorch, OpenCV, Scikit Learn, Whisper

APIs / Platforms: OpenAI, Claude, Gemini, Recall.ai, Hugging Face, Roboflow

Vector Databases: Pinecone, ChromaDB

Databases: PostgreSQL

Cloud & Tools: AWS, Docker, Linux, Git, GitHub, Postman

EDUCATION

B.S. in Artificial Intelligence

2021 to 2025

FAST National University of Computer and Emerging Sciences (FAST NUCES), Karachi, Pakistan

Relevant coursework: Machine Learning, Deep Learning, Computer Vision, NLP, DSA.