

Irfan PJ

AI Engineer & AI Video Creator

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SUMMARY

AI Engineer and AI Video Creator with a B.Tech in Artificial Intelligence and Data Science (2026). AI Solutions Lead at Adzyn UAE and Co-Founder of Ligenix, building AI systems end to end, from LLM agents and RAG pipelines to video ads for Meta, TikTok, and YouTube. Builds agentic workflows with LangGraph, LangChain, CrewAI, and n8n; retrieval systems with hybrid search, reranking, and vector databases; and fine-tunes and serves open models with Hugging Face, LoRA/QLoRA, and Ollama, shipped as Python and Next.js apps. Produces AI video with Seedance, Veo, Kling, and Higgsfield: 30+ ultra-realistic ads and a 25% engagement lift.

SKILLS

AI Video & Image: Seedance 2.0 / 2.5, Veo 3.1, Kling 3.0, Higgsfield (Cinema Studio, Marketing Studio, Apps), Nano Banana Pro, ChatGPT Images 2.0, HeyGen, Script-to-Video Pipelines, Cinematic Prompt Engineering, Character & Scene Consistency

Post-Production & Audio: Adobe Premiere Pro, After Effects, DaVinci Resolve, Compositing, Color Grading, Motion Graphics, Upscaling, ElevenLabs, AI Voice Synthesis, Voice Cloning, Sound Design

Performance Marketing: Meta Ads, TikTok Ads, YouTube Ads, Hook Optimization, A/B Testing, CTR Optimization, Audience Retention Analysis

LLMs, Agents & RAG: LangChain, LangGraph, LlamaIndex, CrewAI, MCP Servers, OpenAI API, n8n, RAG Pipelines, Agentic RAG, Hybrid Search + Reranking, Pinecone, Qdrant, Chroma, Weaviate, pgvector

Machine Learning: PyTorch, TensorFlow, Hugging Face Transformers, LoRA / QLoRA Fine-tuning, Ollama (Local LLMs), Scikit-learn, Keras, XGBoost, YOLOv5, OpenCV

Programming & Web: Python, TypeScript, SQL, Java, C++, HTML, Next.js, React, Tailwind CSS, FastAPI, Flask, Streamlit, Supabase

Cloud & Tools: AWS, Google Cloud, Docker, Vercel, Git, Airtable, REST API Integration

EXPERIENCE

Adzyn UAE — AI Solutions Lead, AI Engineer & AI Video Creator Feb 2026 – Present
Dubai, UAE

- Own AI video production end to end for GCC luxury and retail brands, shipping direct-response ads for Meta, TikTok, and YouTube with Kling, Veo, Seedance 2.0, and Higgsfield.
- Produced 30+ ultra-realistic AI video ads (UGC-style and brand creatives) with consistent characters and environments across shots.
- Optimized hooks and proof placement using CTR, retention, and drop-off analysis, improving engagement by 25%.
- Built reusable prompt and reference libraries and a script-to-video pipeline that ships multiple concepts per week.
- Built scalable AI automation pipelines for video production and content generation.

Ligenix — Co-Founder & AI Production Lead Mar 2024 – Present

- Co-founded an AI-driven company focused on brand video production, automation solutions, and web development.
- Produced AI-generated brand videos and built automated content pipelines for scalable multi-platform delivery.
- Led AI solution development and client-facing technical strategy.

Ilmora — AI Video Editor & AI Intern Jan 2025 – Aug 2025
Remote

- Created AI-generated video content and branding creatives using LLMs and diffusion-based tools.
- Developed script-to-video workflows and automated content generation pipelines.
- Contributed to AI-powered branding assets and creative automation solutions for agencies.

Cognifyz Technologies — Machine Learning Intern May 2025 – Jun 2025
Remote

- Implemented end-to-end ML pipelines for structured data classification.
- Improved model accuracy and inference speed through optimized data preprocessing and feature engineering.

Additional Internships — OutriX (Jun 2025 – Aug 2025), Elevate Labs (May 2025 – Jun 2025)

- Led video production and creative operations for college events and initiatives; designed promotional videos and managed content workflows.

PROJECTS

AI Video Ad Creation & Optimization | Kling, Premiere Pro, After Effects

- Produced 30+ ultra-realistic AI-generated video ads, including UGC-style and brand-focused creatives for Meta, TikTok, and YouTube.
- Built end-to-end script-to-video pipelines integrating AI generation, editing, sound design, and final delivery; optimized with CTR, retention, and drop-off metrics.

Character & Consistent Media Pipeline | Higgsfield, Seedance 2.0, Kling, Veo

- Repeatable workflow for original AI characters, spokespeople, and brand environments that stay identical across shots and campaigns, using reusable character sheets, reference libraries, and prompt templates.

Motion & Character Transfer Workflows | Higgsfield Motion Control, Seedance 2.0, Kling

- Map a chosen character or spokesperson onto reference performances to reuse one proven shot across many variants; optimized for speed and cost with batch generation, templates, and per-task model choice.

AI Video Generation Platform | Kling, Veo, Next.js, FFmpeg

- Built a text/image-to-video platform with style transfer, motion control, and character consistency; FFmpeg pipelines for compositing, upscaling, and platform-specific formatting with a real-time preview gallery.

HR Agent – AI-Powered Recruitment Workflow | n8n, Airtable, GPT-4, LangChain

- Automated recruitment pipeline with resume parsing, candidate-role matching, and Gmail, Google Calendar, and Telegram integration, cutting manual review time by 70%.

RAG-Based Healthcare Chatbot | n8n, Pinecone, GPT-4, LangChain

- Medical support chatbot on Telegram using retrieval-augmented generation with Pinecone vector storage and document embeddings.

Additional Engineering Projects | Python, YOLOv5, OpenCV, CrewAI, Docker, Flask, Streamlit

- TAPACD – theater anti-piracy camera detection with YOLOv5 (94% accuracy in low-light) and real-time Flask alerts.
- SecurePDF – PDF malware scanner and cleaner with ClamAV, PyMuPDF, and a Docker-sandboxed Flask backend.
- Website Auditor AI Agent – autonomous CrewAI agent for accessibility and UX compliance; improved compliance and design quality by 40%.
- AI Dashboard CRM with GPT-4 chatbot; GreenPower Gym AI CRM/ERP with face-recognition attendance.

EDUCATION

B.Tech in Artificial Intelligence and Data Science — MES College of Engineering, Kuttipuram

2022 – 2026

CERTIFICATIONS & AWARDS

- First Prize – Code Bytes, CESA XYBEREX 2.0
- 1 Million Prompters Program – Dubai Future Foundation
- Transformer Models and BERT – Google Cloud (Jun 2025)
- Python for Data Science, AI & Development – Coursera
- ML Workshop – IEEE Student Chapter