Zayyan Khan

ARTIFICIAL INTELLIGENCE GRADUATE · AI AUTOMATION WITH N8N · COMPUTER VISION

0310-9216307 zayyansaghir5@gmail.com Rawalakot, Azad Jammu & Kashmir

PROFILE

BS Artificial Intelligence graduate specialising in AI automation, data workflows and computer vision. Main project is the AI-Based Pneumonia Detection System (Final Year Project) using hybrid deep learning. Built seven n8n and Gemini AI automation projects and three YOLO computer vision projects - face recognition attendance, industrial safety monitoring (YOLO11s) and retail theft detection. Runs ZayTech Solutions, his own AI automation business offering WhatsApp chatbot and n8n automation services. Seeking a role in AI automation, billing, finance or operations.

SKILLS

Programming	Python, SQL
AI / Machine Learning	Deep Learning, CNNs, Transfer Learning, Vision Transformers (ViT)
Computer Vision	YOLOv8, YOLO11s, OpenCV, Face Recognition, Image Processing
Frameworks & Tools	TensorFlow, Keras, Streamlit, FastAPI, Flutter, NumPy, Matplotlib
Automation	n8n, Gemini AI, Google Sheets, WhatsApp Cloud API
Servers & DevOps	Linux (Ubuntu) Server Administration, Docker, WordPress, Git/GitHub, REST API Integration
Design & Other	Canva Designing, Data Preprocessing, Model Evaluation, Technical Documentation

MAIN PROJECT

FINAL YEAR PROJECT

AI-Based Pneumonia Detection System

- Hybrid deep learning architecture combining CNN (DenseNet121, Transfer Learning) and Vision Transformer (ViT) features
- Image preprocessing and data augmentation to improve model performance
- Evaluated using accuracy, precision, recall, F1-score and confusion matrix
- Technical documentation, architectural diagrams and research-style reporting

LIVE PROJECTS

01 **Emo — AI Voice Assistant (Personal Project)**
Technologies: n8n, WhatsApp via Evolution API, Groq LLM (gpt-oss-120b), Google Gemini (Vision + Fallback), Whisper STT, Voice Replies, Gmail & Google Calendar APIs, SearXNG, Docker, Ubuntu Linux, PC Remote Control - Live on own Linux server

02 **Voice Clone Studio (Urdu/English Voice Cloning Web App)**
Technologies: Python, Chatterbox Turbo, OmniVoice-Urdu, Hugging Face, Voice Cloning from a Short Reference Recording - Live on Linux server

03 **WordPress Website Setup & Administration**
Technologies: WordPress, Nginx, PHP 8.3, MariaDB, Elementor, Rank Math SEO, Wordfence, UpdraftPlus - Installed on Linux VPS

AI AUTOMATION PROJECTS (N8N)

01 **PDF to Excel Automation**
02 **AI Receipt Data Extraction**
03 **Gmail AI Auto-Reply Assistant**
04 **WhatsApp AI Auto-Reply Assistant**
05 **AI Job Search Automation**
06 **AI Lead Generation Automation**
07 **QR Code Based Smart Attendance System**

YOLO & COMPUTER VISION PROJECTS

01 **AI Face Recognition Based Smart Attendance System**
Technologies: Python, FastAPI, RetinaFace + ArcFace (InsightFace), Streamlit, Flutter - Live on Linux (Ubuntu) Server

02 **Smart Industrial Safety Monitoring System - YOLO11s (3 Models Integrated)**

03 **AI Retail Theft Detection System**

EDUCATION

Bachelor of Science (BS) in Artificial Intelligence — **2021 - 2025 | Graduated**

University of Kotli, Azad Jammu & Kashmir

Final Year Project: Pneumonia Detection using Hybrid Deep Learning (Transfer Learning + Vision Transformer)

LANGUAGES

English · Urdu

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge.