

Hammad Hanif

Data Scientist | AI Engineer | Python Developer | ML/DL Specialist

 Email |  GitHub |  LinkedIn |  Portfolio |  Phone |  Sahiwal, Pakistan

Summary

Proactive **AI Engineer & Python Developer** with 2+ years of hands-on expertise in **ML, DL, NLP, Computer Vision, and Azure AI**. Skilled in crafting scalable AI-driven systems, completing extensive mentorship in AI & Data Science, and delivering impactful end-to-end solutions.

Education & Certifications

Bachelor's in Software Engineering

University of Sahiwal — Oct 2020 – June 2024 — CGPA: 3.18

F.Sc (Pre-Engineering)

Punjab Group of Colleges — 919/1100

Matric (Science)

Govt. Rai Niaz High School — 940/1100

AI & Data Science Specialization — Codanics

Azure AI-900 Certified — Microsoft

Technical Skills

- **Languages/Tools:** Python, Git, Jupyter, VSCode, Flask, Streamlit, HTML
- **Data:** Pandas, NumPy, SQL
- **Visualization:** Matplotlib, Seaborn, Plotly, Power BI (DAX), Tableau
- **ML/DL:** Sklearn, TensorFlow, Keras, CNN, RNN, LSTM
- **Computer Vision:** OpenCV, Transfer Learning, Object Detection
- **NLP:** HuggingFace, LangChain, Transformers
- **Deployment:** Azure AI, Flask, Streamlit, REST APIs

Experience

Rehman Software House, Chichawatni — Feb 2021 – Apr 2023

- Built, optimized, and deployed ML/DL models for predictive analytics.
- Developed data visualizations & supported AI solution deployment.

Projects

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- **House Price Prediction:** Flask app predicting house prices using ML (area-based input)
 - **Student Marks Prediction:** Flask app forecasting student scores from input features
 - **Voice Bot Web App:** Real-time voice interaction using SpeechRecognition & TTS (Flask)
 - **Diabetes Prediction App:** Flask ML app predicting diabetes risk from medical data
 - **AI Image Generator:** Flask app generating images from text prompts (DALL-E/SD models)
 - **Text-to-Speech App:** Flask-based TTS converter using gTTS engine
 - **Word Cloud Generator (Flask):** NLP-based word cloud visualizer from user text input
 - **Stock Market Dashboard:** Real-time stock analysis (Streamlit, Yahoo API)
 - **Word Cloud Generator (Streamlit):** Quick word cloud creation from custom text
 - **Speech-to-Text App:** Streamlit app converting speech/audio to text (SpeechRecognition)
 - **Heart Disease Prediction:** Jupyter Notebook project predicting heart disease using ML
 - **Learning Management System (LMS):** Full-stack LMS (HTML, CSS, JS, PHP, Ajax, jQuery)
 - **Power BI Dashboards:** Interactive business dashboards and reports using DAX & Power Query
 - **Tableau Dashboards:** Visual analytics dashboards with advanced storytelling and insights
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Achievements

- Delivered **production-ready AI solutions** across multiple domains.
 - Developed a **Full-Stack LMS** as FYP.
 - Completed **EDA Internship** at CodexCue Solutions.
 - Passed **Microsoft Azure AI-900** Certification.
 - Contributed to **Open-Source GitHub Projects**.
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Languages

- **English:** Professional
- **Urdu:** Native