

Ans Ali

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SUMMARY

AI/ML Engineer with 1+ years of experience in machine learning, deep learning, and computer vision. Skilled in developing intelligent medical diagnosis systems and generative AI solutions. Proficient in building and deploying models using TensorFlow and PyTorch, with hands-on expertise in reinforcement learning and NLP. Adept at optimizing model performance and translating research into real-world applications.

SKILLS

Languages: Python, C++, SQL

Frameworks: TensorFlow, Keras, PyTorch

Libraries: NumPy, Pandas, Matplotlib, Seaborn, LangChain, Transformers, NLTK, Scikit-learn

Tools: Jupyter Notebook, Prompt Engineering, Kaggle, HuggingFace, REST APIs

Soft Skills: Problem-Solving, Communication, Teamwork, Time Management, Adaptability

PROJECTS

Final Year Project – AI Medical Diagnosis System

Flutter, Python, TensorFlow, OpenCV, NLP

- Built an AI system to diagnose medical conditions using patient symptoms and uploaded reports
- Applied CNNs for image analysis and NLP for symptom interpretation
- Enabled two-way communication between patients and doctors for remote prescriptions

AI Medical Chatbot – LLM Powered

LangChain, HuggingFace, Streamlit, Python

- Developed a medical chatbot using Large Language Models (LLMs) for answering user health queries
- Integrated LangChain and Hugging Face models for dynamic conversation flow and response generation
- Used Streamlit for the front-end interface and deployed the app for user testing

Resume Analyzer – AI-Powered Resume

Gemini 1.5 Flash, Streamlit, Python, NLP

- Developed a smart resume analyzer using Gemini 1.5 Flash to evaluate resumes against specific job descriptions
- Built functionality for users to upload resumes and job descriptions, with real-time keyword extraction
- Implemented dual-output: (1) Highlighted keyword matches and (2) ATS compatibility score as a percentage
- Designed a simple and intuitive UI using Streamlit, enabling job seekers to optimize resumes for better job alignment

Vehicle Image Classification

CNN, Python, TensorFlow, Streamlit

- Designed and trained a Convolutional Neural Network (CNN) model to classify images into 10 different vehicle categories
- Preprocessed and augmented the dataset to improve model accuracy and reduce overfitting
- Built an interactive Streamlit web interface for users to upload vehicle images and view classification results instantly

EXPERIENCE

Generative AI Research Intern

June 2024 – Sep 2024

Insaafdar

Reinforcement Learning, Generative AI

- Applied reinforcement learning to develop adaptive and intelligent behaviors
- Developed and evaluated deep reinforcement learning models
- Documented results and presented weekly progress to improve model performance

Machine Learning Engineer

Oct 2024 – Jan 2025

KaiRiz Cyber Technology (Remote)

Python, Scikit-learn, Pandas, NumPy, Matplotlib

- Developed and deployed machine learning solutions for real-world cybersecurity problems
- Optimized model performance and ensured data quality
- Collaborated with cross-functional teams to deliver AI solutions

EDUCATION

Bahria University

Islamabad

B.S. in Computer Science

Oct 2021 – June 2025

CERTIFICATIONS

- Python Programming – Coursera
- Large Language Models – Udemy