MUHAMMAD YASEEN

Data Scientist | Generative AI | ML Engineer | AI Engineer | NLP Engineer

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SUMMARY

I am a Python-focused Deep Learning and AI Engineer with strong skills in building and deploying machine learning solutions. My background includes creating advanced neural networks, computer vision applications, and NLP models. I love transforming complex data into practical insights that help businesses make better decisions. I am eager to join a top IT company where I can continue solving real world problems using cutting-edge AI technologies.

EXPERIENCE

Generative AI Engineer (Models, APIs & Automation)
Funloft Solutions

Mar 2025 – Present   Islamabad, Punjab, Pakistan

> Built APIs for AI Resume Maker, Logo/Avatar Generators, and Image Enhancer with editing, object removal, and real-time upgrades.
> Developed creative AI tools and Smart Notes with auto-summarization, keyword and document organization.
> Integrated LLMs, diffusion models, and computer vision for features like background removal and image upscaling.

AI Engineer
EmporionSoft Pvt Ltd

Oct 2023 – Feb 2025   Lahore, Punjab, Pakistan

> Built and maintained data pipelines for training, validation, and deployment of ML/DL models.
> Improved business intelligence by designing predictive models that provided actionable insights.

Machine Learning Engineer
Evolve Innovative Solutions

Mar 2023 – July 2023   Lahore, Punjab, Pakistan

> Created deep learning models for real-time predictions and data analytics, focusing on computer vision tasks.
> Oversaw end-to-end AI project deployments, from model creation to production.

Machine Learning Intern (Remote)
MilestoneZero

Nov 2022 – Jan 2023   Lahore, Punjab, Pakistan

> Applied deep learning techniques (CNNs, RNNs) for image and video analysis, including facial recognition and object detection.
> Assisted in building AI solutions for healthcare (patient data analysis) and manufacturing.

EDUCATION

Bachelor's Degree in Computer Science
University of Malakand

Sep 2019 – Aug 2023   KPK Pakistan

> CGPA: **3.73**
> Paper/FYP: Multi-Disease Prediction Using Machine Learning and Deep Learning Models.

Key Skills

Deep Learning: Transformers, Attention Mechanisms, LLMs, Diffusion Models, GANs, CNNs, RNNs, LSTMs.
Machine Learning: Supervised, Unsupervised, Self-supervised, Reinforcement Learning, Federated Learning.
Natural Language Processing: LLM fine-tuning (LoRA, PEFT, RLHF), embeddings, semantic search, prompt engineering, RAG systems.
Computer Vision: Vision Transformers (ViT, SAM), object detection (YOLOv8, Faster R-CNN), image segmentation (U-Net, Mask R-CNN), multimodal AI (CLIP, BLIP).
AI System Development: End-to-end AI pipelines, LangChain, LlamaIndex, RAG, vector databases (Pinecone, FAISS).
Programming: Python (NumPy, Pandas, Scikit-learn, PyTorch, TensorFlow), JavaScript (for ML APIs), SQL (PostgreSQL, MySQL, MongoDB).
Web & APIs: FastAPI, Flask, Django, Node.js, React.
Cloud & Infrastructure: AWS (SageMaker, Bedrock), Google Cloud (Vertex AI), Azure ML, containerisation (Docker, Kubernetes), GPU/TPU optimization.
MLOps: CI/CD for ML, model deployment & monitoring, MLflow, Weights & Biases (W&B), feature stores, automated retraining.
Project & Teamwork: Agile/Scrum, cross-functional collaboration, leadership, technical mentorship.

CERTIFICATIONS

> Machine Learning Specialization   [url]
> Foundations: Data, Data, Everywhere   [url]
> Image and Video Processing: From Mars to
   Hollywood with a Stop at the Hospital   [url]
> IBM AI Engineering Professional Certificate   [url]
> Introduction to Data Science in Python   [url]

LANGUAGES

> **Urdu:** Fluent
> **English:** Conversational

REFERENCES

Available upon request.