

# MUHAMMAD YASEEN

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

+923029770128 @yaseenaidev@gmail.com Portfolio: yaseenai.github.io

linkedin.com/in/yaseenuom github.com/myaseenml Islamabad, Pakistan

## 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

### AI Engineer (APIs Integration)

#### 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.