

Araiz Ahmad

Machine Learning Engineer

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WORK EXPERIENCE

NexPred Solutions, Lahore, Pakistan - ML-Engineer Intern (Paid) **June 2024 - Present**

- Developing and training models for image and video analysis using nvidia jetson devices
- Collaborating with the team on AI integration
- Researching to stay updated with the latest in computer vision

Horizon Tech Services, Islamabad - AI-Engineer Intern (Paid) **Nov 2023 - June 2024**

- Crafting innovative AI solutions by diving deep into research and development, applying the latest and most advanced AI models (achieved SDRi of 22.6) to solve complex problems further information advised to be kept disclosed under NDA
- Fine Tuning and deploying ML model (on desktop application)
- Documentation and Desktop App development

10 pearls, Islamabad, Pakistan - FYP Accelerator Program **Oct 2023 - May 2024**

- Working on our final year project (PhysioCare) under industry mentor
- Utilized advance machine learning and computer vision techniques
- Learned industry workflows and implementation

EDUCATION

Air University, Islamabad, Pakistan

Sept 2020 - July 2024

Bachelor of Science in Artificial Intelligence

CGPA: **3.16/4.00**

SKILLS

- Python, MySQL, Linux
- Machine learning, Deep Learning, Computer Vision, RAG, LLM Finetuning, NLP
- TensorFlow, Matplotlib, Tkinter, Langchain, Docker

PROJECTS

- Exercise Pose Correction using Computer Vision with 90% plus accuracy. **(FYP)**
- Bank Transactions Classification using Natural Language Processing gaining 83% accuracy.
- Tours Recommendation system using unsupervised machine learning.
- Sign Language to Speech Using machine learning and Computer vision with 92% accuracy.
- Phishing URL detection using the Transformer model with 97% accuracy.
- WhatsApp and Email Automation Scripts.

CERTIFICATIONS AND COURSES

- Deep Learning Specialization - Deeplearning.AI (Grade: 89.8%)
- Machine Learning Specialization (2/3) - Deeplearning.AI (Grade: 100%)
- Python for Data Science, AI & Development - IBM (Grade: 80%)
- Machine Learning Operations: Getting Started - Google Cloud (Grade: 100%)
- Introduction to generative AI - Google Cloud (Grade: 100%)

ACTIVITIES AND AWARDS

- Workshop on how to earn as a student through AI and another workshop on filmmaking
- Guest Speaker on machine learning at UET taxila
- Mentored Young AI enthusiasts in 4 weeks long training in University
- Led teams and communities as a head boy in school and Media Club president in University.
- Interest in filmmaking (9 films made), debating (7 times winner), poetry, and startup ventures.