

Araiz Ahmad

Machine Learning Engineer

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[website-portfolio](#)

WORK EXPERIENCE

- **NexPred Solutions, Lahore, Pakistan – Jr. ML-Engineer** June 2024 – Present
 - Developing and training models for image and video analysis using nvidia jetson devices
 - Collaborating with the team on AI integration
 - Solving complex problems by developing efficient coding logic and algorithms.
 - Researching to stay updated with the latest AI advancements
- **Horizon Tech Services, Islamabad – AI-Engineer Intern (Paid)** Nov 2023 – June 2024
 - Crafted innovative AI solutions by diving deep into research and development, applying the latest AI models to solve complex problems. Further information advised to be kept confidential under an NDA
 - Tested & Deployed ML models (on a desktop-based application)
- **10 pearls, Islamabad, Pakistan – FYP Accelerator Program** Oct 2023 – May 2024
 - Worked on our final year project (PhysioCare) under an industry mentor
 - Learned industry workflows and implementation and used advance computer vision techniques

EDUCATION

- **Air University, Islamabad, Pakistan** Sept 2020 – July 2024

Bachelor of Science in Artificial Intelligence

CGPA: 3.16/4.00
- **Beaconhouse School System, Lahore, Pakistan** Sept 2006 – August 2018

Early Education and GCSE O-LEVELS (Science)

SKILLS

- Python, Linux
- Machine learning, Deep Learning, Computer Vision, NLP, GenerativeAI (beginner)
- TensorFlow, Matplotlib, Tkinter

PROJECTS

- Exercise Pose Correction using Computer Vision with 90% plus accuracy. **(FYP)**
- Fake News detection by fine tuning an LLM with LoRA
- 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.
- Gun detection using Yolov10 model trained on custom dataset

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%)

ACTIVITIES AND AWARDS

- Workshop on how to earn as a student through AI and another workshop on filmmaking
- 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.