Zayan Ahmad Ghous

LinkedIn | Github | Gmail | Portfolio

Career Objective

Motivated Computer Science student with a strong foundation in Machine Learning and Data Science. Passionate about building and deploying intelligent systems, currently focusing on **MLOps, API development, and scalable ML solutions**. Seeking opportunities to apply AI in real-world environments and grow as an ML/MLOps Engineer.

Education

Board of Intermediate and Secondary Education **Lahore, Pakistan**

Intermediate in Computer Sciences (Punjab Group of colleges) *2022 – 2024*

Minhaj University Lahore MUL **Lahore, Pakistan**

BS in Computer Sciences *2024 – Present*

Experience (Internship)

Machine Learning **February, 2025 – April,2025**

- Gained hands-on experience in Machine Learning, Data Science, and Deep Learning fundamentals
- Implemented basic ML models for classification and prediction tasks using Python
- Learned and applied Convolutional Neural Networks (CNNs) for image-based problems
- Performed data preprocessing, feature handling, and model evaluation
- Explored core Deep Learning concepts including training, optimization, and performance improvement
- Strengthened understanding of real-world data workflows and analytical thinking
- Currently advancing towards MLOps, focusing on API development and scalable ML deployment

Projects

Brain Tumor Detection (ML + API Deployment) **Repo | Link to project**

- Built MRI image classification model achieving a good accuracy
- Applied preprocessing and data augmentation to improve performance
- Saved trained model as .pkl for deployment and reuse
- Deployed live application using Hugging Face Spaces
- Exposed model via API enabling real-time inference

Diabetes Prediction System **Repo | Link to project**

- Deployed a production-style ML application for diabetes prediction with real time inference.
- Engineered full pipeline including preprocessing, model training, scaling and prediction consistency.
- Integrated user interface with the backend logic using Gradio and deployed on hugging face spaces.

Skills

Languages: Python, C++

ML/DL: TensorFlow, Scikit-learn

Tools: Git, Hugging Face, Streamlit

Backend: Django REST Framework, FastAPI

Learning: Docker, MLOps pipelines, Django REST Framework