MUHAMMAD RAMEEZ

AI/ML Engineer | Django Developer | Data Scientist

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Introduction

I am a dedicated computer science student. With a strong foundation in software development, algorithms, and data structures, I am passionate about applying my knowledge to solve problems. I am eager to explore and contribute to advancements in fields such as artificial intelligence, machine learning, data.

Education

Bachelor of Science in Computer Science — UET Narowal Campus — Sep 2022 – Jun 2026   CGPA: 3.36

Experience

Research Assistant May 2024 – Present Machine Learning Research under Professor UET Lahore, Narowal Campus

- Conducting research on machine learning models and their applications in real-world scenarios.
- Assisting in developing AI models for medical image analysis.
- Optimizing deep learning models for enhanced performance and efficiency.
- Collaborating with a team to integrate research findings into academic publications.

Projects

Glaucoma Detection from Fundus Images | *Python, PyTorch, OpenCV* | 2024

- Designed a CNN-based model to classify glaucoma using ORIGA and REFUGE fundus image datasets.
- Achieved 91% accuracy through data augmentation and transfer learning techniques.
- Deployed a Streamlit-based web app for interactive glaucoma screening.

Medical Report Summarizer | *Python, Transformers, Django, REST API* | 2025

- Developed an AI tool using transformer models to simplify complex medical reports and explain terms.
- Built a Django-based REST API to serve summaries and medical term explanations to a frontend UI.

Network Traffic Analyzer Dashboard | *Python, Django, Plotly* | 2025

- Built a Django web application to monitor bandwidth, latency, and packet loss in real-time.
- Integrated data visualization using Plotly and added custom controls for selecting network parameters.

Anxiety Detection Using NLP | *Python, TensorFlow, Streamlit* | 2024

- Built a deep learning model to detect anxiety indicators in user input using the DAIC-WoZ dataset.
- Preprocessed text with NLP techniques and deployed a real-time analyzer with Streamlit.

Technical Skills

Languages: Python, JavaScript, C++, SQL
Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Django, Flask
Tools: Jupyter, VS Code, GitHub, Docker, Streamlit, Google Colab, Postman
Databases: SQLite, PostgreSQL, MongoDB
Other Skills: Machine Learning, Deep Learning, NLP, Data Analysis, REST APIs, Git, Linux Basics

Certifications

- Data Scientist Mentorship **(2024)** - Codanics.com & (Codanics)
- IBM AI Developer **(2025)** - Coursera (Online)
- AI for Everyone **(2024)** - DeepLearning.AI (Coursera)