

ATIQUE ABDULLAH

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EDUCATION

NUCES FAST

BS Computer Science

Aug 2020 – Aug 2024

PROJECTS

EYEONIC — Leveraging Machine Learning in Detecting Ocular Conditions | Final Year Project

- Designed a Machine Learning model using the combined fusion of Transformer and U-Net architectures to leverage the ocular studies for the detection of conditions like Diabetic Retinopathy, Age-related Macular Degeneration, Glaucoma, Myopia and Cataracts with an accuracy of 93 %.

Skin Cancer Detection using Deep Learning

- Trained and Integrated ResNet model with Flask application to detect the skin lesion with binary classification for malignant and benign cancers lesions.

Skincare Product Recommendation System

- Developed a Flask application and Integrated with Inception model to detect the skin type and recommend skincare products from the database based on reviews.

Image Captioning Application

- Made Gradio application that uses Hugging Face API and blip-image-captioning-base model to caption the images.

AI Text Summarizer

- Made Gradio application with Bert- an open source ML model for summarizing English language passages with an integration of Hugging Face API.

Prompt to Image Generation Application

- Used Tkinter to make python based application with stable-diffusion-v1-5 base model for text-to-image generation.

INTERNSHIP

ITSOLERA PVT LTD

Deep Learning Engineer - Internship

Jul 2024 – Present

Islamabad, Pakistan

- Assist in the development and implementation of AI/ML models for analyzing skin conditions, detecting lesions, and studying genomics data in medical applications.

Ezitech Institute

Machine Learning Engineer - Internship

Mar 2024 – Jul 2024

Islamabad, Pakistan

- Worked with AI/ML libraries like PyTorch, TensorFlow for building models for Supervised Learning Inferences.

Bytewise Limited

Data Engineer - Internship

Mar 2023 – Jun 2023

Islamabad, Pakistan

- Worked with Azure Cloud and Azure Databricks to prepare big data for analysis.
- Developed interactive dashboards for data analysis.

TECHNICAL SKILLS

Languages: Python, C, C++, Rust

Developer Tools: VS Code, GitHub, Figma, Azure Databricks, ChatGPT, Gemini, Claude

Soft Skills: Communication, Active Listening, Management, Commitment, Consistency, Empathy, Teamwork

Databases: MySQL, MongoDB, SQLAlchemy

Cloud: AWS, Microsoft Azure

Areas of Interest: Machine Learning, Data Science, Data Analysis

CERTIFICATIONS

- Advanced Learning Algorithms
- Supervised Machine Learning: Regression and Classification
- Calculus for Machine Learning and Data Science
- Linear Algebra for Machine Learning and Data Science