

# 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 %.

### Real-Time License Plate Recognition System

- Designed a Flask based interface with open source CV model integration for detection of license plates. Extended with text extraction using pytesseract leveraged with Auto Toll Challan generation and storage.

### 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.

### 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

### Deep Learning Engineer - Internship

Jul 2024 – Oct 2024

*ITSOLERA PVT LTD*

Islamabad, Pakistan

- Lead the development and integration of AI/ML models for analyzing skin conditions, detecting skin lesions extended to product recommendation system.

### Machine Learning Engineer - Internship

Mar 2024 – Jul 2024

*Ezitech Institute*

Islamabad, Pakistan

- Developed machine learning models using PyTorch and TensorFlow for supervised learning projects.

### Data Engineer - Internship

Mar 2023 – Jun 2023

*Bytewise Limited*

Islamabad, Pakistan

- Managed and analyzed big data using Azure Cloud and Databricks.
- Built interactive dashboards to visualize data insights.

## TECHNICAL SKILLS

**Languages:** Python, C, C++, PHP, 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