

# ATIQUE ABDULLAH

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## EDUCATION

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### NUCES FAST

*BS Computer Science*

Aug 2020 – Aug 2024

## PROJECTS

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### 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

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### ITSOLERA PVT LTD

Jul 2024 – Oct 2024

*Deep Learning Engineer - Internship*

*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

Mar 2024 – Jul 2024

*Machine Learning Engineer - Internship*

*Islamabad, Pakistan*

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

### Bytewise Limited

Mar 2023 – Jun 2023

*Data Engineer - Internship*

*Islamabad, Pakistan*

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

## TECHNICAL SKILLS

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**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

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