AHMED MUJTABA BUTT

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EXPERIENCE

AI Backend Engineer
CloudGate

📅 Apr 2024 – Ongoing

- Developed pipelines for text-based image generation, instruction-based image editing, background removal, and image variations
- Deployed pipelines on HuggingFace Inference Endpoints for enhanced security and scalability

Mobile Backend Developer
Bizwitt

📅 Oct 2023 – Apr 2024

- Developed backend for mobile applications using Flutter
- Implemented Firebase for user authentication and data storage
- Integrated RESTful APIs for data retrieval and manipulation
- Led the development of mobile applications ensuring timely delivery and quality assurance

AI/ML Intern
One Network

📅 Aug 2023 – Sep 2023

- Conducted data cleaning, annotation, and augmentation
- Assisted in developing an Auto-Vehicle Categorization (AVC) project using a semi-supervised learning approach based on YOLOv8
- Supported the deployment of AVC on motorways and toll plazas
- Conducted internal testing of the M-Tag One Network App

Python Developer
Skillibility

📅 Sep 2022 – Oct 2022

- Developed a Python-based Resume Parser module to extract relevant information from resumes
- Achieved an 80-85% accuracy rate after multiple module revisions

PROJECTS

AI Gallery Genie - Where Images Meet Intelligence
Final Year Project

A cross-platform mobile application that provides a comprehensive set of features to users using advanced AI and ML techniques

- Integrated emotion detection, tag generation, caption generation, text recognition, and artistic style transfer
- Implemented auto-categorization, semantic searching and multi-modal chatbot capabilities
- Incorporated text-to-image, image-to-image, and inpainting features using SD-Turbo models

EDUCATION

B.E. in Software Engineering
National University of Sciences & Technology (NUST)

📅 Nov 2020 – Ongoing

Current CGPA: 3.90

A-Level
St. Mary's Academy

📅 2018 – 2020

Achieved 4A* grades

O-Level
St. Mary's Academy

📅 2015 – 2018

Achieved 5A*, 3A, and 1B grades

SKILLS

TensorFlow   PyTorch   HuggingFace
C   C++   Java   Python   JavaScript
MongoDB   Express.js   React   Node.js
Dart   Flutter   Firebase   SQL   FastAPI

CERTIFICATIONS

Machine Learning with Python
Coursera | IBM

Introduction to Computer Vision and Image Processing
Coursera | IBM

Natural Language Processing in TensorFlow
Coursera | DeepLearning.AI

Generative Deep Learning with TensorFlow
Coursera | DeepLearning.AI

Finetuning Large Language Models
Coursera | DeepLearning.AI

PUBLICATIONS

Using PCA for Data Reduction and Face Recognition on LFW Dataset
Medium | Python in Plain English

How to Handle Missing Data
Medium | Python in Plain English