

# Ans Hussain (AI/ML ENGINEER)

 GitHub

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## Education

### •FAST-NUCES, Islamabad

Bachelor of Science in Artificial Intelligence

2020-24

CGPA: 3.25

### •Cadet College Sanghar

FSC-Pre-Engineering

2018-20

Percentage: 84

### •Cadet College Sanghar

Matric-Science

2016-18

Percentage: 85

## Experience

### •AIMS LAB

ML/AI Intern

June, 2023 - August, 2023

Islamabad

- Integrated Selenium for Wikipedia facts, LangChain prompts, Falcon-7B for storytelling. Bark AI TTS, SDXL-0.9 for image generation.

### •DataInsightful

May 23 onwards

I have completed more than one year on Fiverr and have done over 20 projects.

- Projects were related to webscraping, PDF extraction, AI/ML Models, Graph extraction etc.

## Achievements

### •First Position in AIO Hackathon

November, 2023

Lead The Group

Islamabad

- Social Media Marketing Agent for restaurants.

### •Dean's List

FAST(NUCES)

Achieved Four Times

Islamabad

- Fall-2022, Spring-2023, Fall-2023, Spring-2024

## Personal Projects

### •E-Learning Platform

Final Year Project

A personalized AI-TUTOR for self-help

- Developed AI-powered tutor for personalized e-learning with real-time voice and facial expression. Utilized fine-tuned LLM (Llama 2-7b) for Q-A interaction.
- Tools & technologies used: TTS, STT, Voice Lipsing, Avatar Syncing, Fine-Tuned LLM, LangChain, React

### •Chat With Document

May-2024

Real-Time Document Interaction

- Developed and deployed retrieval-augmented-generation pipeline using LLM (Llama2-7b)
- Tools & technologies used: Rag Pipeline, LLM, Python, FASTAPI

### •Transforming Words into Art

Dec-2023

Generative Adversarial Networks (GAN) and Stable Diffusion techniques

- Created a pipeline that produces detailed and contextually accurate images from diverse textual inputs, demonstrating the potential of advanced AI techniques in creative applications.
- Tools & technologies used: Pytorch, NLP, Stable Diffusion, CV

### •Social Media Marketing Agent

Nov-2023

Restaurnt advertisement using emails, sms and social media posts both personalized and generic

- Personalized Marketing Campaigns: Create personalized deals and email/sms them to increase the sales of restaurant with zero money spending in marketing.
- Tools & technologies used: LangChain, Prompt Engineering, Llama2, Probabilistic Models

### •Search Engine

Jan-2022

Seach for words, Letter in Long PDF documents.

- Tools & technologies used: Data-Structures, C++

## Technical Skills and Interests

**Languages:** C++, C, Python(major), Html, CSS, SQL, C-Sharp,

**Frameworks:** Flask, StreamLid, Pytorch, Keras, tensorflow, Oracle, OpenCL, FastAPI

**Developer Tools:** Git, Visual Studio Code, Jupyter Notebook, Visual Stuio, Pycharm, Docker, Jenkins

**Soft Skills:** Communication, Problem-solving, Teamwork, Adaptability, Time Management

**Coursework:** Algorithms and Data Structures, Machine Learning, Database Management, Software Engineering, Artificial Intelligence, NLP, CV

**Areas of Interest:** Natural Language Processing, Computer Vision, Deep Learning