Shaheer Ali

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I am student of Computer Science, with expertise in developing and deploying AI solutions for problem in real life. My experience includes training machine / deep learning model, performing advanced data analyses, and creating pipelines for predictive systems. With a strong foundation in AI ethics and a keen interest in AI governance, I aspire to contribute to initiatives that shape responsible and impactful AI technologies.

# Education

## 2022 – PRESENT

## **BS Computer science**

Halfway into my degree at Hazara University, Pakistan, where I started in August 2022.

3.3 GPA • Member of university’s AI Society.

2020 – 2022

## **FSC**

I completed my FSC in 2022 at The Peace Group of Schools and Colleges, marking a significant milestone in the timeline of FCS.

## 2018 – 2020

## **Matric**

Matriculated from Proficient Education System – with 80 percent result.

# Relevant Experience

## 2024 – PRESENT

### Research Assistant

### Hazara University | Yellow Rust 19 Classification Project.

### This is a project on Yellow Rust Class 19 in Hazara University, where there were 6 classes, classifying for the treatments of yellow rust disease in farms applying advanced machine learning techniques. The study builds predictive models for early detection and management of the disease. Thus, the study advocates sustainable agriculture. He is working on a pending paper concerning the methods and the result to be used for publication in a scientific journal.

### Hazara University | Breast Cancer Prediction Project.

### Based on deep learning models, the project is all about breast cancer classification at my university. The goal of the project, which uses medical data, is to develop a prediction system for distinguishing benign from malignant tumor cases. Using different models such as Convolutional Neural Networks (CNNs) and fully connected layers, the project efficiently reaches high accuracy in prediction. Deep learning works effectively for feature extraction and evaluating complicated patterns in the data, from which a very dependable model to be used for early detection of the breast cancer disease is achieved.

## JUNE 2023 – Present

### Freelance Data Scientist:

### Upwork (2023–NOW)

### Working as a Machine Learning Engineer and Data Scientist on Upwork, delivering AI solutions to international clients. Developing and deploying machine learning models, conducting advanced data analyses, and optimizing pipelines for real-world applications. Focused on building ethical, scalable, and high-performance AI systems for client needs.

# Certifications

## May – july 7, 2024

## **CODANICS**

### [Python Ka Chilla (40-Days)](https://www.sak.kesug.com/assets/images/certificates/certificate-1727174127490.jpg)

## february – JULY 28, 2024

## **CODANICS**

### [Six Months of Data Science and AI Mentorship Program](https://www.sak.kesug.com/assets/images/certificates/certificate-1727172474795.jpg)

## sep 18 – 24, 2024

## **SimpliLearn**

### [Python For Machine Learning](https://www.sak.kesug.com/assets/images/certificates/7401152_1727187204.jpg)

## Nov 29, 2024

## **DataCamp**

### [Retrieval Augmented Generation (RAG) with Langchain](https://www.sak.kesug.com/assets/images/certificates/certificate.png)

# Skills

**Programming Languages:** C++, Python, SQL **AI/ML Frameworks:** TensorFlow, Keras, Scikit-learn

**Cloud Computing:** AWS (EC2, S3, Lambda, SageMaker) **Model Deployment:** Streamlit, Flask, FastAPI

**Data Tools:** Pandas, NumPy, Matplotlib, Seaborn **Version Control:** Git, GitHub

**Other Tools:** Jupyter Notebooks, Docker, Kubernetes **Soft Skills:** Problem-solving, collaboration, adaptability, communication

**Natural Language Processing:** Hugging Face, Transformers,

BERT, GPT.