

# UZAIR NAEEM

## Mechatronics & Control Engineer

Enthusiastic engineering graduate eager to launch my career as a Machine Learning Engineer, specializing in developing innovative solutions that leverage data science and machine learning.

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## EDUCATION

### B.Sc Mechatronics Engineering

University of Engineering & Technology

10/2018 - 06/2022

## WORK EXPERIENCE

### Jr. Data Scientist

StechAI

08/2023 - Present

#### Achievements/Tasks

- Leveraged OpenAI models for NLP tasks such as applying NLP techniques to improve resume parsing and job description question/answering, enhancing the efficiency of recruitment processes.
- Implemented Qdrant DB to optimize information retrieval, resulting in faster and highly relevant search outcomes
- Acquired proficiency in knowledge graph technologies and Neo4j graph database, augmenting my skillset and contributing to the team's knowledge base.
- Utilized Hugging Face models for sentiment analysis tasks.
- Conducted fine-tuning using the PEFT LoRA method to enhance model performance for specific NLP tasks.

### Trainee Associate Data Science Programmers Force

02/2023 - 06/2023

Lahore, Pakistan

#### Achievements/Tasks

- As a Data Science intern at a leading tech company specializing in artificial intelligence, I gained hands-on experience in various aspects of data analysis and modeling. My responsibilities included working with large datasets, data preprocessing, and applying machine learning techniques.
- Utilized Python, Numpy, and Pandas for data cleaning, transformation, and preprocessing.
- Built and trained predictive models using Keras, TensorFlow, and PyTorch, including linear regression and neural networks.
- Gained practical experience in computer vision, leveraging OpenCV for image processing and analysis.
- Overall, my experience in Data Science provided me with practical experience and knowledge in various tools and technologies related to data analysis, modeling, and visualization. I believe that my skills and experience make me a valuable asset to any organization looking to develop and implement data-driven solutions.

## TECHNICAL SKILLS

Machine Learning Frameworks: TensorFlow, Keras, PyTorch, Scikit-Learn

Web Frameworks: Django, Flask, FastAPI

Docker

NLP: NLTK, spaCy, Gensim

Git and GitHub

SQL

Programming Languages: Python, C++

Linux

Data Structures

Computer Vision: OpenCV

Databases: MySQL, PostgreSQL, MongoDB, Vector Database (Qdrant)

## PERSONAL PROJECTS

Handwritten Character Recognition using Transfer Learning on EMNIST Dataset

Image Denoising with Denoising Autoencoder

Image Segmentation with UNET

Object Detection with YOLO

Computer Vision Project: Loading and Displaying JSON Data as Bounding Boxes and Labels on Images

Data Science Project: Exploring and Analyzing Online Retailing Store Data

Time Series Forecasting: Predicting Future Global Temperature Trends

## CERTIFICATES

Crash Course on Python

Coursera / Google

Data Science 2023

Programmers Force

Generative AI Fundamentals

Google Cloud Skills Boost

Machine Learning with Python

Coursera / IBM

NLP

Coursera / Deep Learning AI