HASNAIN MUAVIA

DATA SCIENTIST | ML ENGINEER

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PROFILE SUMMARY

I am Hasnain Muavia, currently in my 6th semester of study. I am eager to explore and learn various aspects of AI, machine learning, and data science. With a language-independent approach, I am dedicated to solving problems and passionate about coding.

SKILLS

C++	Python	Supervised Learning	Data scientist
Image Augmentation	SQL – MYSQL	HTML / CSS	Flask
OpenCV	Numpy	Pandas	Matplotlib
Seaborn	Selenium – Scrapping	C++ / C# GUI – junior	Unsupervised Learning
Advance Learning Algorithms	Django		

EDUCATION

Bachelor in Software Engineer / Current
University of Management and Technology (UMT) – Lahore – Pakistan
Currently enrolled in 6th semester with CGPA 3.74
2021 – 2025

F. SC (Pre – engineering) – Intermediate
Superior College Lahore – Pakistan
A+ grade over all
2017 – 2020

PROJECTS

Personal Projects for learning – University

Online Attendance System with Face Recognition
I created a dataset of students and trained it with OpenCV. Whenever a student faces the camera, the system detects their face and updates their attendance in the database.

Flask Crud API
I have created an API that employs all methods and facilitates data transfer between the server and the database using the MVC (Model-View-Controller) architecture.

Hotel Management System with C#
I have created a hotel management system desktop application which includes panels for customers, administrators, and staff. Whenever a customer makes a booking or performs other actions, the data is saved into the database

PROJECTS

Personal Projects for learning – University

Election prediction – 2024
I predicted election outcomes using machine learning techniques. I scraped data from various websites, conducted Exploratory Data Analysis (EDA) on the dataset, and created a well-prepared dataset after analysis. I then trained a model and made predictions.

MNIST Handwritten digit prediction
I trained a model for MNIST handwritten digit prediction with an accuracy of 90.2%.

Image – Augmentation Dataset
I created a dataset consisting of 1000 pictures, each containing three different breeds of dogs. Each breed was represented by only three pictures.

Automated Selenium Script for Picture Downloads
Created an automation script using Selenium, encompassing all Selenium concepts, for downloading pictures from the Unsplash website.

DataCamp – Data Science Track Projects

- **Investigating Netflix Movies**
  By using simple python techniques
- **Exploring NYC Public School Test Result Scores**
  Finding Top School by using pandas Techniques
- **Visualizing the History of Nobel Prize Winners**
  By using manipulation techniques and visualizing using matplotlib
- **Analysing Crime in Los Angeles**
  Performed EDA (Exploratory Data Analysis)
- **Customer Analytics: Preparing Data for Modelling**
  Prepared and cleaned categorical Data
- **Exploring Airbnb Market Trends**
  Importing different types of data and performed cleaning
- **Modelling Car Insurance Claim Outcomes**
  Identified the best feature that produces most accurate logistic regression
  with stats models
- **Hypothesis Testing with Men's and Women's Soccer Matches**
  Performed different types of sampling techniques and done Hypothesis testing
- **Predictive Modelling for Agriculture**
  Classic feature Selection and prediction with Supervised learning