

ABDUL BASIT AHSAN

Machine Learning Engineer - Data Analyst

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Education

FAST NUCES

2024

Bachelor in Computer Science (GPA: 2.9 / 4.00)

Pakistan

The Punjab School

2017

matriculation in Computer Science (Percentage: 83%)

Pakistan

Experience

Ignicube

Jul 2023 – Aug 2023

Python Developer intern

Lahore, Pakistan

- Acquired knowledge of the Python programming language and its application in data manipulation. Implemented analysis and preprocessing methods on datasets, and gained proficiency in managing data through file handling techniques in Python. Implemented the Django framework for web development. I have learned some basic development and understand how the team work on the website projects and how they handle the pressure.

Projects

Architerra Vision | Flutter, PyTorch, Python, Firebase

- The Architerra Vision is a software application which is used to design the floorplan designs of the house with the help of artificial intelligence. The application manages the designs according to the needs of architects and saved their designs in the database. The artificial intelligence model uses Stable diffusion to create the 2D floorplan designs of the house.

Exploratory Data Analysis (EDA) | Python, Numpy, Pandas

- This project entails conducting Exploratory Data Analysis on a dataset containing information about electronics sales. The analysis will cover preprocessing steps to clean and prepare the data, clustering analysis to identify patterns and segments within the dataset, and a comparison of different clusters.

Prediction Using Decision Tree and K Nearest Neighbour | Python, Numpy, Pandas

- This project analyzed student performance using data from various assessments and quizzes. The dataset is cleaned by removing missing values and outliers. Visualized results with box plots. Used K-Nearest Neighbors (KNN) and Decision Tree models to predict student pass/fail outcomes.

Weatherman Data Analysis | Python

- This project involves managing and analyzing weather data for a city spanning from 1996 to 2011. The dataset is sourced from text files, and the analysis is performed without utilizing libraries like NumPy or pandas.

Pharmacy management system | C#, Oracle 11g

- The Pharmacy Management System is a software solution designed to streamline the management of medicine information within a pharmacy setting. The system consists of different panels catering to the needs of administrators and pharmacists, each offering specific functionalities.

Technical Skills

Languages: Python, C++, C, Bash, Assembly, SQL

Technologies: Django, PyTorch, jQuery, Bootstrap, Node.js, Unity, Flutter, Jupyter Notebook, Pycharm, Visual Studios, Visual Studios Code, Android Studios, MySQL, Tensorflow, Oracle, Tableau, PostgreSQL, Coolab Notebook, Hugging Face, Cisco Packet Tracer, Firebase, Slack.

Generative AI: LLMS, Stable Diffusion, Neural Network, Decision Tree, KNN, LangChain, RAG, GraphRAG

Certifications

AWS Certified Solutions Architect Associate Certification (In Progress)

Udemy

Generative AI with Large Language Models (In Progress)

Cousera

Large Language Models (LLMs) Concepts [Check Here](#)

Datacamp

Data Manipulation in SQL [Check Here](#)

Datacamp