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Objective

My goal is to become associated with a company where I can utilize my skills and gain further experience while enhancing the company's productivity and reputation.

Education

- **University of Management and Technology, Lahore** 2019-2023
BS Data Science.
- **Defence Degree College for Boys, Lahore** 2017-2019
Fsc. Pre Engineering

Experience

- **Connect Solution** July 2023 - September 2023
Internship
Front-end Flutter App developer.

Skills

- SQL for database creation and manipulation.
- Programming languages like: C/C++, Python, R and JavaScript.
- Spark SQL for structured data processing.
- MATLAB is a programming platform to analyze data, develop algorithm and create models.
- Cloud Computing for data storage.
- Data mining to sort through large data sets which help to solve business problem through data analysis.
- Data Analytics, Database Management, Statistics, Machine learning, Deep learning, Data Communication, HTML/CSS. Libraries including Numpy, Pandas and Matplotlib.
- Operating Systems like Linux and Mac are used for computer devices. Linux is an open-source operating system that can be used on any device whereas Mac can be used only on Mac devices. Mac operating system is faster and easier to use.
- Microsoft Power BI is a Business Intelligence service that enables you to create interactive dashboards and reports based on the raw business data acquired from various sources.
- Data Analytics involves the systematic procedures of examining, purifying, transforming and modeling data to discover valuable information and support decision making.
- Data Analytics improves business processes, efficiency and overall performance.
- Big data technologies like Hadoop and Spark for handling massive datasets.

Soft Skills

- Effective Communication.
- Problem understanding.
- Fluent in English.
- Ability to share and convey ideas.
- Decision maker and problem solver.
- Ability to adapt to new situations, challenges and changes in the workplace.
- Ability to build and maintain professional relationship for career development.
- Ability to think outside the box, generating new ideas and finding innovative solution.
- Efficiently organizing and prioritizing tasks to meet deadlines and goals.

- **Product Sales Data Analysis:**

We use Power BI to create a dynamic dashboard that allows sales teams to visualize and analyze sales data for different products, customer segments, and regions to optimize sales strategy, forecast sales and identify growth opportunities. This project involved integrating data from various sources, building data models, and creating interactive visualizations and reports using Power BI to provide real-time insights into sales performance, identify trends, and forecast future sales.

Tool used in this project:

- Microsoft Power BI.

- **Credit Card Fraud detection:**

In this data mining project, we use Python to create a classification problem to detect credit card fraud by analyzing the previously available data. Every credit card transaction results in the generation of some data that can be used by machine learning algorithms to develop a classifier. We use such a classifier in real-time that help to detect fraudulent transactions almost immediately resulting in time and money saving.

This project involves different steps:

- Importing the libraries.
- Performing Data Analysis.
- Data Pre-processing.
- Classification Model.
- Model Evaluation.

- **Weather forecasting App:**

This project uses weather data visualization and Weather APIs. We create a single-page web application using:

- Streamlit (a python framework).
- Matplotlib to display weather data visualizations.
- We develop a front-end by using streamlit library.

The stages of projects are following:

- Design UI model.
- Fetch data from API.
- Data Visualization.
- Other weather updates.

- **Computer Vision based Jewelry Store (FYP):**

It is jewelry e-commerce based mobile app powered by computer vision. In computer vision we use "YOLO Algorithm" (You Only Look Once). This is an algorithm that detects and recognizes various objects in a picture (in real-time). This E-commerce app has ability to filter out the product based on body part detection and able to show products related to size determined virtually. Tools/Technologies used in this project are:

- Python (for Computer Vision).
- Yolo (for object detection).
- Flutter (for e-commerce App).
- Neo4j (for graph database).