

Muhammad Abdullah

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GitHub | Portfolio

Work Experience

- **Data Analyst (seasonal)** *Elio energies* Aug 2024 - Present
 - Analysing data to improve business and customer satisfaction .
- **Machine learning virtual internship** *Green vision*
June 2024 – Jul 2024
 - Developed and implemented machine learning models using algorithms like support vector machines (SVM), random forests, and neural networks to address environmental and sustainability challenges.
 - Fine-tuned algorithms through hyperparameter optimization, cross-validation, and feature selection to enhance model performance and accuracy.
 - Conducted research on the latest machine learning techniques and their applicability to real-world environmental problems, proposing innovative solutions.
 - Used tools such as TensorFlow, Keras, Scikit-learn, and Python for model building, training, and evaluation.
- **Data Science intern** *Cognorise info tech*
Apr 2024 – May 2024
 - Collected, cleaned, and transformed raw data from various sources to ensure high data quality and consistency, enabling effective analysis.
 - Conducted comprehensive exploratory data analysis to identify trends, patterns, and insights that could drive business decisions.
 - Assisted in developing and fine-tuning machine learning models using algorithms such as linear regression, decision trees, and clustering techniques to solve specific business problems.

Education

- **BS Data Science(3rd year – 5th Semester)**
University of Engineering and Technology Peshawar ,2022 - 2026

Technical Skills

- **Data Analysis and visualization:** Proficient in conducting comprehensive data analysis tasks, including data preprocessing, feature engineering, exploratory data analysis, and statistical modeling.
- **Machine Learning:** Experienced in developing and applying various machine learning techniques, including supervised and unsupervised learning, for tasks such as classification, regression, clustering, and anomaly detection.
- **Sql and Databases:** Capable of writing effective SQL queries for data retrieval, manipulation, and management, with a good understanding of database design, normalization, and optimization.
- **Python:** Expertise in Python and its libraries such as scikit-learn, pandas, and numpy.

Soft Skills

- **Excellent Communicator:** Proficient in simplifying complex data insights, ensuring clear communication with both technical and non-technical team members.
- **Analytical Problem Solver:** Adept at identifying data challenges, implementing solutions, and contributing to team success.
- **Collaborative Team Player:** Demonstrated ability to work effectively in cross-functional teams, delivering data-driven results that exceed project objectives.

Projects

- **Seaborn Project on Sales and Profit**
Using Python and its libraries such as Seaborn, Pandas, Matplotlib, scikit-learn.
- **Car Price Prediction**
Using Python and its libraries like Seaborn, Pandas, scikit-learn.
- **Titanic Survival Prediction and Data Visualization**
Using Python and its libraries such as Seaborn, Pandas, Matplotlib, scikit-learn.
- **Diabetes Detection**
Tools: Python, Pandas, numpy, Matplotlib, Seaborn, scikit-learn, and Google Colab.
- **Pizza sales Analysis** Tools: Mysql, sql, python.

- **Personal Portfolio Website**

Using HTML, CSS, JavaScript, host: GitHub.

Certifications

- Machine learning Specialization(combination of 3 courses)(Deeplearning.ai)
- Python for Data Science (IBM)
- Machine Learning Introduction for Everyone (IBM)
- Data science Methodology (IBM)
- Tools for Data science (IBM)
- Introduction to Data Science (IBM)