Mohsin Shabbir

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Highly skilled data professional with a diverse background in data science, data analysis, data engineering, and cloud technologies. Proven expertise in developing and optimizing data pipelines, deploying machine learning models, and leveraging cloud platforms to drive strategic business solutions. Adept at using tools and technologies such as Python, SQL, Azure, and machine learning frameworks to enhance data accuracy, integrity, and decision-making. Strong communicator with a track record of leading projects, collaborating with cross-functional teams, and delivering impactful results.

AREAS OF EXPERTISE

- **Data Engineering:** Proficient in designing and implementing ETL pipelines, data integration, and data warehousing solutions. Experienced with tools like SSIS, Azure Data Factory, and data modeling.
- **Data Science:** Expertise in developing predictive models and machine learning algorithms. Skilled in statistical analysis, feature engineering, and model evaluation using Python and R.
- **Cloud Technologies:** Extensive experience with Microsoft Azure, including Azure Synapse Analytics and Azure Data Factory. Familiar with cloud-based data solutions and optimization.
- **Data Analysis:** Adept at conducting comprehensive data analysis, creating complex visualizations, and delivering actionable insights using Power BI and Tableau.
- **Project Management:** Demonstrated success in managing large-scale data projects, from initial design through deployment, and collaborating with cross-functional teams to meet business objectives.

SKILLS

- Data Analysis
- Data Visualization
- Machine Learning
- Deep Learning
- Statistical Analysis
- Predictive Modeling
- Big Data Technologies
- Data Mining
- ETL Pipelines
- SQL
- Python
- R
- Power BI
- Tableau
- Data Cleaning
- Data Wrangling
- Geospatial Analysis
- Data Integration
- Natural Language Processing (NLP)
- Artificial Intelligence (AI)
- Business Intelligence
- Dashboard Development
- Time Series Analysis
- Cloud Computing

PROFESSIONAL EXPERIENCE

NLP Software Engineer   *May 2024 - Present*
CodexCue Software Solutions, Islamabad, Pakistan

- *Developing and fine-tuning advanced NLP models for applications such as recommendation systems and spam filters using Python and various NLP libraries.*
- *Integrating NLP solutions with platforms like Amazon Lex and MongoDB to enhance functionality and ensure seamless system operation.*
- *Managing project workflows and collaborating with cross-functional teams to deliver updates and communicate technical progress effectively.*

Data Analyst   *Mar 2022 - Nov 2023*
Futurenostics, Islamabad

- Assisted in data gathering for multiple projects, using SQL to query databases and perform data cleaning.
- Created data visualizations using Power BI to communicate key findings to stakeholders.
- Supported data accuracy and completeness by conducting regular data quality checks and updating data pipelines as needed.

PERSONAL PROJECTS

- **Twitter Sentiment Analysis with ML and DL Models:** Conducted a comprehensive analysis using machine learning and deep learning models. Integrated results into data pipelines for sentiment analysis and prediction.
- **Advance Movie Recommendation System:** Developed a movie recommendation engine utilizing collaborative filtering techniques, optimizing the algorithm for accuracy and user experience.
- **Azure Synapse Analytics Data Engineering Project:** Developed and optimized data workflows using Azure Synapse Analytics, enhancing data integration and storage capabilities across cloud platforms.
- **Elective Course Recommendation System:** Created a Flask-based web application to recommend elective courses by analyzing students' grade reports, leveraging data analysis and engineering principles.

EDUCATION

Bachelors (BS) – Computer Science | *Air University, Islamabad* **|** *Sep 2020 - June 2024*

LICENSES & CERTIFICATIONS

Microsoft Azure Synapse for Developers | 2024
Apache Spark Essential Training | 2024
Azure Data Factory | 2024
Data Engineering Foundations | 2024
Hands-On Analytics Engineering Project | 2024