Muhammad Hozefa

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mhozefa-portfolio.netlify.app/

Education

University of Central Florida   **Aug 2021 – Dec 2025**
Bachelor of Data Science, Minor Statistics   *Orlando, FL*

Relevant Coursework — Data Science I & II, Statistical Foundations of Data Science and Artificial Intelligence I & II, Computer Science I, Statistical Methods I, II, & III

Work Experience

Platinum Transaction   **Feb. 2020 – Present**
Data Analyst   *Remote*

- Developed and optimized 20+ data pipelines using **Python** and **SQL**, leading to a 40% improvement in data processing efficiency and ensuring seamless data integration across multiple platforms.
- Implemented machine learning models in **Python** using libraries such as **scikit-learn** and **TensorFlow**, achieving a 30% increase in predictive accuracy for customer transaction analysis.
- Created and maintained dashboards in **Power BI**, providing real-time insights to stakeholders and improving decision-making speed.
- Engineered automated scripts in **Python** to streamline data extraction, transformation, and loading (ETL) processes, saving 15 hours per week in manual data handling.
- Collaborated with cross-functional teams to apply data-driven solutions, enhancing operational efficiency and supporting strategic goals.

Seminole County Public Schools   **Mar. 2024 – Present**
Substitute Teacher

- Implement lesson plans and maintain classroom order, adapting to various grades and subjects as needed.
- Engineered **Python** code to efficiently extract and process **100+** codes from a **data lake**, seamlessly integrating them into a **pipeline** for subsequent extraction and analysis, streamlining data workflows and enhancing data utilization
- Provide necessary accommodations for special needs students, ensuring their equal access to education and supporting their individualized learning needs.

Projects

Predictive Sales Analytics Dashboard | **Python | Power BI | scikit-learn**

- ∗ Created a predictive sales analytics dashboard using **Power BI** and **Python** for a hypothetical retail company.
- ∗ Implemented machine learning models using **scikit-learn** to predict quarterly sales with an accuracy rate of 85%.

Diabetes Prediction using Machine Learning | **Python | Pandas**

- ∗ Developed a diabetes prediction model using **Python** to identify individuals at risk based on medical data.
- ∗ Utilized **pandas** for data cleaning, pre-processing, and feature selection, which enhanced the model's accuracy and reliability.

Technical Skills

Languages: Python, Java, SQL, HTML, CSS, JavaScript, C, R
Developer Tools: Postman, PowerBI, Git, Jupyter, VS Code
Libraries/Frameworks: AWS, ReactJS, TensorFlow, Pandas, NumPy, PostgreSQL, NodeJS, Azure
Certifications: MOS Excel, CompTIA Security+ Practitioner

Leadership

Self-Employed Tutor

- ∗ Provided one-on-one tutoring sessions for students in challenging courses such as Computer Science 1, Calculus 2, and more, helping them improve their understanding and academic performance.