

# MUHAMMAD HOZEFA

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[mhozefa-portfolio.netlify.app/](https://mhozefa-portfolio.netlify.app/)

## Education

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### 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, Discrete Structures

## Work Experience

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### Platinum Transaction

Feb. 2022 – 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

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### 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

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**Languages:** Python, Java, SQL, HTML, CSS, JavaScript, C, R

**Developer Tools:** Postman, PowerBI, Git, Jupyter, VS Code

**Libraries/Frameworks:** ReactJS, PyTorch, TensorFlow, Pandas, NumPy, PostgreSQL, NodeJS, Scikit-learn

**Certifications:** MOS Excel, CompTIA Security+ Practitioner

## Leadership

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### 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.