

MUHAMMAD HOZEFA

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mhozefta-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, Discrete Structures

Technical Skills

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

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

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

Certifications: MOS Excel, CompTIA Security+ Practitioner

Work Experience

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.
- 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 | scikit-learn

- * Developed a diabetes prediction model using the **PIMA Diabetes dataset**. Conducted data preprocessing, feature scaling, and trained a **Support Vector Machine (SVM)** classifier to predict diabetes outcomes.
- * Achieved **77% accuracy** and demonstrated expertise in data analysis, model evaluation, and proficiency with **Python** libraries including **pandas**, **scikit-learn**, and **numpy**.

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.