Trevor Khan

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LinkedIn: https://www.linkedin.com/in/trevor-khan53 / Project Portfolio: https://github.com/TheTrevorK

Technical Skills

Microsoft Excel, Python, Tableau, SQL, R (programming language), Data Visualization, Machine Learning, Data Cleansing, Data Mining, Data Modeling, Statistical Data Analysis, Medical Terminology, SAS Enterprise Miner, Relational Databases

Certificates

- Sololearn - Python for Beginners - August 2021
- LinkedIn Learning – Learning SQL Programming – February 2023

Education

Master of Science in Advanced Data Analytics

University of North Texas, Denton, Texas   **12/2022**

- Maintained a 4.0 GPA while utilizing skills in statistical analysis, data cleaning, and data visualizations, using Excel, Python, SQL, GCP, and Tableau.
- Performed statistical analysis using ANOVA & Chi-Square analysis to draw insights from the data. This was followed up by creating machine learning models using TensorFlow and scikit-learn.
- Operated SQL queries inside of the Google Cloud Platform with a team of 5 using a Virtual Machine with relational databases and working with Big Data to generate insights about salaries based on level of education.

Bachelor of Science in Biology

University of North Texas, Denton, Texas   **05/2018**

- Graduated Magna Cum Laude with a minor in chemistry.

Portfolio Projects

Capstone Project:

- Investigated a Covid CDC data set containing 200,000 rows of data. Data cleaning, data analysis, and model creation was performed in determining the statistical relationships with patients being hospitalized.
- Analyzing the 10 significant variables associated with patients coming in to seek medical care with Covid. The insights revealed that the age of the patient could impact them requiring hospitalization and a successful machine learning model was created to predict whether an incoming patient would be at risk for hospitalization.
- Creation of a 73 % successful machine learning model to predict the risk of hospitalization based on the insights drawn.

Brain-Tumor Classification:

- Engineered a classification model with the Python API Keras to successfully determine whether a patient had a brain tumor based on a brain scan image.

Tableau Pharmacy Project:

- Implemented an interactive dashboard using pharmacy sales data alongside a PowerPoint slide deck to present an insight summary about financial problems the company was facing and potential solutions to solve those issues.

Work History

Substitute Teacher
Pasadena Independent School District, Pasadena, Texas   **10/2021 - Present**

- Supervised high school students by providing guidance in learning algebra and geometric formulas as a long-term substitute Geometry teacher.
- Monitored student performance to stay above the 70% pass threshold for the district and aided struggling students.

Oracle BI Publisher Report Builder
International Omega Group, Richmond, Texas   **06/2020 - 08/2020**

- Developed HR reports using Oracle BI publisher to replace outdated forms from previous years.

Aquaponic Technician
Aquaponic Start Up, Sugar Land, Texas   **08/2019 - 08/2020**

- Spearheaded the designing and installation of aquaponic systems to determine the optimal efficiency in the ecosystem health of the system that led to a 50% increase in plant growth.
- Collected data of the plant growth and chemical variables to find the most efficient system and then visualized the data identify trends.

Medical Office Assistant
The Family Doctors, Denton, Texas   **09/2018 - 05/2019**

- Managed a team of 3 to improve the efficiency of the providers by helping convert the patient paper charts into an EHR system at 2 different family practice clinics 4 months ahead of schedule.

Work Authorization

- Citizenship: U.S. Citizen