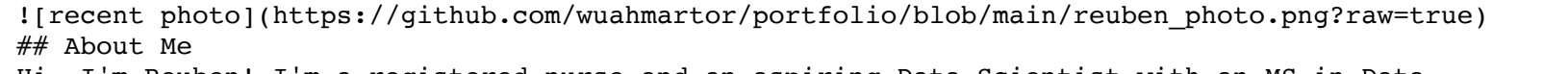
Welcome to Reuben's Portfolio



About Me
Hi, I'm Reuben! I'm a registered nurse and an aspiring Data Scientist with an MS in Data Science. After several years working in nursing in various nursing specialties,I chose to pursue a technical degree in data science to help improve some of the lapses I have found in the healthcare industry.

🛠️ Skills
Python, R, SQL, Machine Learning, PowerBI, Tableau, MS Office, Jupyter Notebook, Basic HTML Streamlit, Computer network, Hardware, Windows Server Active Directory concepts (Microsoft Certifed System Engineer on Windows Server 2003), Nursing Skills, Medical Case Management

Projects Undertaken:

Health Condition Prediction Model
[Health Condition Predictor Model]
(https://github.com/wuahmartor/portfolio/blob/main/diseasePredictionSystem/disease_prediction.ipynb): Machine learning model predicts a health condition based on patient's symptoms and recommend first-aid precautions
[Try Web Interface](http://192.168.12.76:8501)

[Movie Recommender System]
(https://github.com/wuahmartor/portfolio/blob/main/movieRecommender/movieRecommender.py)
This project is a Movie Recommender System built using Python and Streamlit. The system uses a content-based recommendation algorithm to suggest movies similar to the one selected by the user. It leverages the cosine similarity technique based on the genres, directors, and actors of the movies.
[Try Web Interface](http://192.168.12.76:8501)

Weather Information Reporting System- US
[Weather Information Reporting System]
(https://github.com/wuahmartor/portfolio/blob/main/weatherReportSystem/weatherReportSystem.py): The system retrieves weather information for Cities in the US. The user may choose to look up weather report by inputing City Name or Zip Code

Food Quality Dectection System Model At a Meat packing Plant

[Meat Quality Checker](
https://github.com/wuahmartor/portfolio/blob/main/foodQualityDetectionSystem/foodQualityDectection.ipynb): Based on Meat indicated production factors, the model predicts the quality status of the meat as either being good or bad.

Cardiac Event Risk Determination in Patient with Heart Failure
Project Overview:

This project aims to develop a predictive model using machine learning techniques to assess the risk of cardiac events in patients diagnosed with heart failure. By analyzing clinical data, including age, anemia status, enzyme levels, ejection fraction, blood pressure, and other vital health metrics, the model seeks to identify key predictors of cardiac events. The goal is to provide healthcare professionals with a tool to understand the risk factors better and to aid in early intervention and personalized treatment plans for at-risk patients. The outcome of this project has the potential to improve patient care, reduce mortality rates, and optimize healthcare resources by focusing attention on individuals with a higher likelihood of adverse

events.

[Cardiac Event Dectection Model]
(https://github.com/wuahmartor/portfolio/blob/main/heartFailurePredictionModel/heartFailurePrediction.ipynb): Model uses certain health parameters to predict patient's chance of developing a cardiac even given the patient has a heart failure.

Place holder for another Project

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