MARY VANG

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OBJECTIVE

As a data analyst and business major, I am excited to utilize my skills and knowledge to help businesses make informed decisions by analyzing large datasets, identifying patterns, creating data visualizations, and developing machine learning models to make predictions. I am passionate about learning new skills and working on challenging projects.

SKILLS

Programming Languages and Database Management:
SQL • Python • VBA • MySQL • NOSQL • MS SQL • HTML • CSS • JavaScript

Software Proficiency:
Word • Excel • PowerPoint • Tableau

Data Analysis • Verification and Testing • Statistical Analysis • Data Visualization • Attention to Detail • Forecasting and Planning • People Skills

EDUCATION

Associate of Arts, Business Administration
Tulsa Community College (TCC) **Expected: Dec 2023**

Certificate, Data Analytics
Tulsa Community College (TCC) **Graduated: Apr 2023**

EXPERIENCE

Seamstress, Foam & Rubber **August 2021 - January 2022**

- Sewed seat covers for buses with high attention to detail and quality.
- Able to work independently and manage time effectively to meet production deadlines.

Seamstress, Clear Edge Filtration Group **March 2015 - June 2020**

- Collaborated with engineers to create detailed product drawings and instructions to ensure accuracy and quality.
- Sewed filter bags and belts with high attention to detail, meeting customer specifications and requirements.
- Cross trained and mentored many new sewers and co-workers, with strong leadership and communication skills.
- Inspected and packed orders with efficiency and accuracy, ensuring timely customer satisfaction.
- Ability to read and interpret technical drawings and blueprints.

PROJECTS

Student Performance Predictions

- My role involved using the preprocessed CSV file with algorithms and techniques to create machine learning models to predict student exam scores.
- Data Source: CSV file (100 row, student's exam scores and other features) generated by rocycekimmons.com/tools.
- Methods/Techniques: Python • Jupyter Notebook • Pandas • Numpy • Imblearn • Scikit-learn

- Results: Achieved machine learning models with an accuracy of 97-98% in predicting exam scores, which can help educators and students improve academic performance.

Crowdfunding ETL

- My role involved cleaning and transforming CSV files to create a database and storing the files' information into a database.
- Data Source: Campaign, Contacts, Category, and Subcategory CSV files generated by EdX.
- Methods/Techniques: Python • Jupyter Notebook • Pandas • SQL (PgAdmin4)
- Results: Development of a database that housed information about campaigns, contacts, categories, and subcategories based on the CSV files.