PHAM MINH HIEN

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SUMMARY

Fueling my passion for data and development, I'm eager to create seamless digital experiences through innovative web applications and insightful analytics that cater to user demands. I'm driven to push the boundaries of technology to solve any upcoming challenge.

EDUCATION

UEH University - College of Technology and Design   08.2021 - 08.2025
Bachelor of Science - Data Science
GPA: 3.74/4
Relevant course work: Introduction to Database Management System, Data Analysis Programming, Machine Learning - Gain foundational knowledge of data analysis, problem - solving, database management and machine learning concepts.

WORK EXPERIENCE

Bosch Vietnam, *Digital Transformation Support - Internship*   Long Thanh, Dong Nai, 05.2024 - Present
- Design and implement dashboards using **Python, SQL** and **Power BI** to meet departmental requirements, enhancing supervision and decision-making in the manufacturing process of pushbelt elements.
- Develop web applications using **Power Apps** based on departmental needs, improving data management for Bosch TGA's Locker Storage.
- Create web forms with **Manual Master** to support the factory's digitalization efforts, transitioning from paper-based data management to a server-based system.

PROJECTS

NorthWind Sales Power BI Visualization   04.2024
Objective: Visualize the business operations of NorthWind Company, focusing on Orders, Products, Customers, Employees, Suppliers, and Delivery.
Techniques:
- **Data Modeling:** Extract and clean raw data, structure it into dimension tables and fact tables, and then create a relational schema using star/snowflake schema modeling.
- **Data Visualization:** Utilize **Power BI built-in charts, DAX, measures, calculated table and parameters** to custom visualization and present insightful business data.

Detect Spam Message Using SVM Model   12.2023
Objective: Utilize **SVM Model** to detect spam messages.
Techniques:
- **Text Preprocessing:** Implement text preprocessing techniques including stopword removal, lemmatization, vectorization to prepare text data for model training.
- **Model Training:** Utilize **Support Vector Machine (SVM)** to train the processed texts for accurate spam prediction.
- **GUI Development:** Create an interactive user interface using **DearPyGui framework**, enabling users to classify messages as spam or non-spam efficiently.

Diamond Analysis and Price Prediction   11.2023
Objective: Analyze variable relationships in the diamond dataset and forecast diamond prices.
Techniques:
- **Data Cleaning:** Address duplicates and missing values to ensure dataset integrity.
- **Hypothesis Testing and Exploratory Data Analysis:** Examine variable relationships through rigorous testing and exploratory analysis.
- **Prediction:** Utilize **Random Forest** for price prediction modeling.
This project enhances comprehension of diamond attributes implying price trends in the market, contributing to a comprehensive understanding of factors impacting diamond valuation.

Build Database System for a hypothetical local fruit shop   06.2023
Objective: Build database management from scratch and extract store's information for business analysis.
Technology: **Microsoft SQL Server**.
- Build **ERD Model**.
- Use data definition language, data manipulation language, structured query language, and data control language to extract meaningful information about customers, sales, staffs, and store products.
- Implement **stored procedures, function, and trigger** to accelerate the processing speed of the database management system.

SKILLS

Technical skill
Programming language: Python *(Numpy, Matplotlib, Pandas, Sklearn library)*
Web-Apps Development: JavaScript *(Basic Syntax, Functions, Error Handling)*, HTML *(Semantic, Forms, Events)*, CSS *(Selector, Layouts, Images)*, Power Apps *(Form Control, Power Apps Formulas, Canvas Editing)*
Data Analysis: Microsoft Excel, Microsoft Server SQL, Microsoft Power BI *(DAX, Power Query, Data Modeling)*
Office skills: Microsoft Office Tools (SharePoint, Word, PowerPoint,...)

Soft skill
Strong written and verbal communication skills, Self - directed learner, Detail-oriented, Problem - solving, Teamwork and collaboration

Language
IELTS 7.0 Certificate, Chinese HSK 3