Gerald M. Paez

Data Analyst • Business Intelligence • Web Developer

Data-driven enthusiast skilled in data analytics, visualization, and programming, passionate about leveraging data to enhance business performance and customer experience.

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EXPERIENCE

DATABASE AND WEB DEVELOPMENT   Jan – May 2024
IT Intern | Moriroku Philippines Incorporated

- Played a pivotal role in designing and developing a high-availability database using MySQL & PhpMyAdmin, ensuring efficient Data Management.
- Introduced automated database performance for the daily inventory, which resulted in a consistent 35% reduction in CPU usage across all servers, lowering operational costs.
- Utilized PHP and JavaScript to create a Web Application for Daily Inventory Management, achieving 80% completion upon deployment.
- Monitored servers and escalated emergency technical issues beyond scope to maintain optimum up-time.

CAPSTONE PROJECT   Aug – Dec 2023
Data Analyst & Developer

- Conducted thorough Exploratory Data Analysis (EDA) to identify trends, patterns, and anomalies, employing Jupyter Notebook for effective visualization.
- Performed time-series analysis to identify factors influencing sales, including seasonality, and pricing.
- Tested various time-series algorithm models to accurately forecast future sales for a wholesale business.
- Developed a descriptive and predictive model using the MERN Stack, providing valuable insights into business sales trends.
- Implemented an AutoRegressive Integrated Moving Average (ARIMA) predictive model, achieving a Mean Absolute Percentage Error (MAPE) of 8.91% for yearly sales and 19.67% for monthly sales.
- Designed and implemented responsive dashboards using Nivo, enabling non-technical business owner to easily understand and monitor key performance metrics related to sales.

R PROJECT | CLUSTER ANALYSIS   July 2023
Data Analyst

- Implemented clustering algorithms including spatial fuzzy c-means. Fuzzy c-means clustering, k-means, and hierarchical clustering to categorize regions and identify patterns based in food price trajectories and demographic characteristics in the Philippines.
- Achieved a 93.2% accuracy using Fuzzy C-means with five clusters, demonstrating its superior performance.

EDUCATION

BACHELOR OF SCIENCE IN INFORMATION SYSTEMS   MSEUF, Lucena City | 2020 - 2024
Major In Business Analytics

- Dean's Lister, 2021-2024
- College Scholar, 2022-2024
- Cum Laude

SKILLS

- Database Management | MySQL, PostgreSQL, MongoDB
- Data Analysis & Visualization | Power BI, Tableau, Jupyter Notebook, Orange
- Statistical Analysis | R Statistic, RStudio
- Programming Languages | R, Python, Javascript, PHP
- Project Management | Jira, Trello, Agile, Kanban
- Microsoft Office | Excel, Word, PowerPoint

CERTIFICATION

MASTERING MICROSOFT EXCEL WITH THE MO 200 CERTIFICATION TRAINING   Jan - Feb 2024

Department of Information and Communications Technology

DATA ANALYTICS ESSENTIALS   October 2023

Cisco Network Academy

FULL-STACK MASTERY: TRAINING ON WEB DEVELOPMENT FRAMEWORKS   June 2023

MSEUF | CCMS CreaTech Bootcamp