AARON BENALDEZ

Biñan, Laguna • (+63)939 954 4459
• aaronbernaldez80@gmail.com

SUMMARY

Enthusiastic Computer Science student with hands-on experience in machine learning, data wrangling, and model deployment through academic and personal projects. Proficient in Python, SQL, and data visualization. Eager to contribute analytical and problem-solving skills to real-world tech challenges.

RELEVANT PROJECTS

Fake News Detection Using Various Deep Learning Techniques (Thesis)

- Implemented **CNN**, **BiLSTM**, and **BERT** models, comparing performance using metrics like accuracy, precision, recall, and F1 score to identify the most optimal model for the task.
- **Web Scraped 4,000+ local Philippine articles** from various news sites, capturing diverse sources of information and enhancing model diversity.
- **Merged and cleaned an additional 60,000+ international dataset entries and 29,000+ local dataset articles** to form a comprehensive dataset, ensuring consistency and accuracy for model training.
- **Deployed the selected model using Flask**, creating a real-time **web app** for fake news classification, offering accessible analysis of articles.

Mobile POS System for Local Business

- **Developed the POS mobile app** using **Android Studio**, providing an intuitive and user-friendly interface for managing sales transactions.
- **Designed and implemented relational databases** to capture business transactions, ensuring data integrity and efficient data retrieval.
- Created a **RESTful API** using **PHP** to interact with a **MySQL database** on **phpMyAdmin**, supporting **CRUD operations** for transaction management.
- Utilized **SQL queries** to extract relevant business insights and transaction data, enabling **data visualization** for business reporting and analysis.

Unity Game – Wanderer

- Developed a **2D platformer game in Unity** that challenges players to achieve high scores through precise movement and power-up usage.
- Designed and implemented a **relational database schema** with **MySQL**, using **REST APIs (PHP)** to store and retrieve real-time gameplay data.
- **Integrated backend communication** within the Unity engine using **HTTP requests** to sync data with the server.

EDUCATION

Bachelor of Science in Computer Science   **July 2019- Present**
Mapúa Malayan Colleges Laguna
Pulo-Diezmo Road, Cabuyao, 4025 Laguna
- Dean's List (From 1st year to present)
- President's List (2nd Year)

ADDITIONAL INFORMATION

- **Technical Skills:** Python, SQL, Java, C#, PHP, JavaScript, HTML, CSS, Pandas, MySQL, relational databases, Data Cleaning, Data wrangling, Data Modeling, Data Quality Assurance, REST API, Flask, Unity, Android Studio, phpMyAdmin, Git, Excel,Documentation
- **Soft Skills:** Problem-Solving, Collaboration, Attention to Detail, Clear Communication, Time Management, Adaptability
- **Interest:** Programming, Personal Development & Self-Improvement, Gym & Fitness, Investing & Financial Literacy,Gaming & Interactive Media, Reading & Literature, Traveling & Cultural Exploration
- **Languages:** English, Filipino
- **Certifications:** CompTIA IT Fundamentals (ITF+), Google Data Analytics, Google Cloud Computing Foundations