Dimaunahan, Isiah Jordan

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About Me

I am a final-year Computer Science student at Adamson University, currently in my last semester, aspiring to become a data scientist. I have experience in programming with Python, R, and JavaScript, and working with tools like Apache Airflow, Spark, Hadoop, MySQL, and Power BI. I enjoy solving problems with data, building pipelines, and creating data-driven solutions using frameworks like TensorFlow and PyTorch. I am excited to apply my skills to real-world projects and grow in the field of data science.

Skills

- Programming and Markup Languages: Python, PHP, JavaScript, C, C++, R, HTML, CSS, SCSS
- Databases: MS SQL, MySQL, PostgreSQL
- Business Intelligence (BI) Tools: Power BI, Excel
- Data Pipeline and Big Data Tools: Apache Airflow, Apache Spark
- Frameworks and Libraries: TensorFlow, Scikit-Learn, Pandas, NumPy, Node.js, React, Matplotlib

Hobbies

Playing Chess, Solving Puzzles, Programming, Learning Something New

Education

Bachelor of Science in Computer Science

Adamson University | 2021 - Present

- Expected Graduation: July 01, 2025 (Approx.)
- Relevant Coursework: AI, Database, Distributed System, Data Mining, Data Structures, Algorithms, Data Warehouse, Machine Learning
- Last Semestral GWA: 1.56
- Highest Semestral GWA: 1.39

High School Diploma

Ramon Pascual Institute | 2015 - 2021

- Achievement: Honors in 2017
- Sport: Chess varsity with 2 gold and 2 bronze medals
- Organization: Mathematics and Physics club
- Activities: Competed and won the School Sudoku Competition
- Education: Enrolled in STEM program
- Relevant Subjects: Mathematics, HTML, CSS, Digital Information, Physics

Experience

Sales Assistant (Family Store)

Family Sari-Sari Store | June 2018 - August 2020

- Assisted with selling and providing customer service.
- Monitored and listed sold products.

- Aided with buying resources.

Projects

Bat and Frog Audio Classification Using Spectrogram and CNN Multi-Modal

Trained a model on a credible audio dataset using a multi-modal CNN approach. Developed an API to integrate the model into a website, enabling users to upload audio files and classify them as non-animal, frog, or bat.

- Technologies: JavaScript, Node.js, TensorFlow, Pandas, Librosa, Matplotlib, Google Colab, Python, HTML/CSS
- Key Features: user-friendly UI, API deployment, behavior classification, spectrogram cleansing, multi-modal processing

Door, Glass Breaking, and Falling Classification Using Spectrogram and YAMNET

Using a pre-trained model on a credible audio dataset using a multi-modal CNN approach. Developed an API to integrate the model into a website, enabling users to upload audio files and classify them based on four outputs: door sounds, glass breaking, falling, or neither the 3.

- Technologies: JavaScript, Node.js, TensorFlow, Pandas, Librosa, Matplotlib, Google Colab, Python, HTML/CSS
- Key Features: user-friendly UI, API deployment, behavior classification, spectrogram cleansing, embedding

Movie Recommendation System

Application of collaborative and content based filtering techniques on movie dataset. Taking a simple embedding neural network, generate a recommendatiob based on the embedding vector.

- Technologies: Python, TensorFlow, Pandas, Matplotlib, Numpy
- Key Features: ranking, scoring, real-time recommendation

Sales Report Dashboard

Cleansing and preprocessing the csv sales report followed by extensive visualization and analysis. Afterwards, using DAX allows me to generate new data, especially KPI metrics, and create a comprehensive dashboard.

- Technologies: Excel, PowerBI
- Key Features: data cleansing and preprocessing, dashboard development

Titanic Survivors Dataset

Analysis of passenger, identifying, and reduction for redudancy using matplotlib, pandas, and sklearn for the model. Using the features underline, trained SVC and Decision Tree to achieved a 70% above score

- Technologies: Python, Sklearn, Pandas, Matplotlib, Numpy
- Key Features: statistical analysis, fine-tuning and hyperparameters

One-Drive Fetching Automation Using Airflow Scheduling

Automated the uploading and processing of structured and unstructured data from OneDrive using Airflow DAGs and an ETL pipeline. Efficiently handled large datasets for downstream applications.

- Technologies: Selenium, Spark, Airflow, Python, SQL, Pandas
- Key Features: automated scheduling, ETL pipeline, large dataset management

NER for Species and Allergen Extraction

Using the nltk, given a query from client. Verify certain keywords and semantics given a rule based approach while after that, implemented as a server

- Technologies: Nltk, Socket Programming, Python, Pandas
- Key Features: real time query extarction, semantic analysis, API

Extracurricular Activities

- Member of the University's Data Science and Mathematics Organization

- Competes in online competitive programming
- Earned the top 3 spot in a CTF competition with the university, competing against other universities

Certificates

- SQL Basics
- Python Kaggle
- Github and Git 365
- Intro to Machine Learning Kaggle
- Intro to Data Science 365
- AI Enterprise IBM
- Data Preprocessing with Pandas 365