Darius Ardales

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EDUCATION

De La Salle University · Manila, Philippines
Bachelor of Science in Computer Science, · *Aug. 2020 – Aug. 2025*
Major in Software Technology, Minor in Data Science

EXPERIENCE

AI Writing Evaluator and Trainer · Aug 2024 – Present
Outlier · *San Francisco, CA, USA*
- Engineered prompts to challenge AI models and refine their reasoning and response quality
- Ranked and evaluated AI responses for RLHF models, providing feedback to improve performance

PUBLICATIONS

SentiMetry: A Development of Emotional Wellness Web Application Using AI-Driven Sentiment Analysis · Nov 2024
Institute of Electrical and Electronics Engineers
- Built models for emotion classification using TensorFlow, Keras, and scikit-learn
- Utilized HuggingFace transformers and deployed the backend through FastAPI and HuggingFace Spaces
- Paper accepted at IEEE International Conference on Future Machine Learning and Data Science (FMLDS 2024)

Towards a Memory-Efficient Filipino Sign Language Recognition Model for Low-Resource Devices · May 2024
Computing Society of the Philippines
- Developed a Filipino Sign Language recognition model using TensorFlow and Keras
- Implemented gesture recognition with OpenCV, MediaPipe, and LSTM
- Paper accepted at the 24th Philippine Computing Science Congress (PCSC 2024)

PROJECTS

SafetyCNN: a Simple CNN for Safety Classification · Nov 2024 – Dec 2024
- Designed SafetyCNN for classifying construction images as "safe" or "unsafe" using PyTorch and OpenCV
- Achieved 93.55% training and 72.46% test recall with data augmentation and TTA

Strategic Enhancement of Sephora's Recommendations · Jul 2024 – Aug 2024
- Developed recommender systems using content-based filtering, SVD, and logistic regression

Klima Insights · Mar 2024 – Apr 2024
- Implemented an application illustrating the impacts of global warming in the Philippines using Plotly Dash
- Leveraged GeoPandas and Mapbox for interactive geospatial visualizations

Exploring Trends in Wholesale Goods Prices Per Region as Economic Indicators · Nov 2023 – Dec 2023
- Analyzed wholesale goods prices across regions in the Philippines using NumPy and Pandas

Unveiling Urban Mobility Dynamics: Insights into Patterns and Trends of Divvy · Oct 2023 – Nov 2023
- Analyzed urban mobility patterns and conducted spatial trend analysis using scikit-learn

CERTIFICATES

Python Data Associate · Sep 2024
DataCamp · *Expires: Sep 2026*
- Developed practical Python skills for effective data management and analysis

CS50's Introduction to Artificial Intelligence with Python · Jun 2024
Harvard Online
- Delved into optimization, constraint satisfaction, and foundational machine learning

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL
Databases: Firebase, MongoDB, MySQL, PostgreSQL
Data Science: NumPy, Pandas, Matplotlib, Seaborn, Plotly
Machine Learning: PyTorch, scikit-learn, Hugging Face, TensorFlow, Keras
Web Development: React, Next.js, Express, FastAPI
Developer Tools: GitHub, Git, Jira, Postman, Jupyter, Figma, GCP, Docker