Darius Ardales

📞 (+63)977-821-2047 | ✉ darius.vincent5@gmail.com | in linkedin.com/in/riu-rd | 🌐 darius-ardales.web.app

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

Software Engineer Intern — Jun 2024 – Aug 2024
Thinking Machines Data Science, Inc. — *Taguig, NCR, Philippines*
- Led a project from design to presentation, taking full ownership of its development
- Enhanced office space utilization and projected 60% cost reduction with a web app alternative to HotDesk

PUBLICATIONS

SentiMetry: A Development of Emotional Wellness Web Application Using AI-Driven Sentiment Analysis — Nov 2024
Institute of Electrical and Electronics Engineers
- Combined EmoRoBERTa, Logistic Regression, and Bi-LSTM to predict top-3 emotions across 28 categories
- Generated personalized LLM feedback using Mistral, with 81% of users finding it empathetic

Towards a Memory-Efficient Filipino Sign Language Recognition Model for Low-Resource Devices — May 2024
Computing Society of the Philippines
- Achieved 91% model-size reduction (11.7 MB to 1.0 MB) via post-quantization with only 3.5% accuracy drop
- Outperformed raw-frame CNN (25.5%) and LSTM (31.3%) by using MediaPipe landmarks

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

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: PostgreSQL, MySQL, Firebase, MongoDB
Data Science: NumPy, Pandas, Matplotlib, Seaborn
Machine Learning: scikit-learn, PyTorch, TensorFlow, Keras, Hugging Face, Gemini
Web Development: React, Next.js, Tailwind, FastAPI
Developer Tools: GitHub, Git, Jira, Jupyter, GCP