Ivan Yuri "Lion" P. De Leon

Pasig City, Philippines | +63-926-105-8315 | ivan.deleon@student.ateneo.edu | linkedin.com/in/ivan-yuri-de-leon/

EDUCATION & CERTIFICATIONS

Ateneo de Manila University   **Quezon City, Philippines**
Master in Data Science   *May 2026*
- Graduate Assistant in the Mathematics Department and Environmental Science Department; Academic Scholar (100% Tuition)
- *Coursework:* Deep Learning, Computer Vision, Big Data, Database Programming, Time Series Forecasting, Data Visualization

Ateneo de Manila University   **Quezon City, Philippines**
BS in Applied Mathematics (Data Science), Minor in Economics   *May 2025*
- Summa Cum Laude; University Academic Scholar (100% Tuition); DOST Scholar (national government scholarship)
- Mulry Award Recipient: highest distinction for literary excellence and literary service
- Managing Editor for Finance, HEIGHTS Ateneo (official literary publication)
- *Coursework:* Natural Language Processing, Filipino Linguistics, Introduction to AI, Data Mining & Machine Learning, Discrete Mathematics & Statistics, Graph Theory, Operations Research, Business Intelligence, Development Economics

PSI AI Academy   **Online**
Certificate, AI/LLM Engineering for Software Developers   *Feb 2026*
- *Coursework:* RAG, Agentic Systems, MCP, Fine-Tuning, Reasoning Models, Guardrailing, Multimodal Models, Deployment

RESEARCH WORK & PROJECTS

Graph-Based Analysis of Customer-Merchant Payment Networks
Master's Capstone   *2026*
- *Collaborates* with a major national retail bank to analyze their customer-merchant payment networks using graph-based metrics, community detection, and graph neural networks.

Advancing Diacritic Restoration for Tagalog Homographs
Undergraduate Thesis (manuscript in preparation)   *2025*
- Designed and trained custom transformer-based models for Tagalog diacritic restoration to disambiguate homographs using sentence-level classification and masked language modeling.
- Analyzed collocation patterns using association measures to augment underrepresented homograph variants from existing datasets.

Tagalog Diacritic Restoration using LSTM-Based Autoencoders
Project for Deep Learning Course   *2025*
- Explored character-level Tagalog diacritic restoration using LSTM models and implemented a custom penalty layer to constrain invalid character predictions.

Predicting Banking Service Preference and Financial Behavior of Core Customers
Philippine Junior Data Science Competition (PJDSC)   *2024*
- Developed models for customer segmentation and product recommendation using RFM analysis, securing top rank (11/60 teams)

EXPERIENCE

Nara Institute of Science and Technology   **Nara, Japan**
Research Intern   *Jan 2026*
- Worked under the Human-AI Interaction Laboratory in developing a cultural recognition benchmark for Vision-Language Models

Ayala Corporation   **Makati, Philippines**
Data Analytics and AI Intern   *Apr 2025 - Sept 2025*
- Replicated a study on Braess's Paradox, specifically on the use of road closures to improve overall traffic conditions, and evaluated its applicability to Makati City, Philippines.
- Led a cross-functional modeling project on car sales, applying predictive and causal methods to identify key factors driving sales.
- Analyzed chains of user actions from early adopters of a mobility app using Markov chains and Monte Carlo methods to guide feature prioritization and retention strategies.
- Supported data engineering processes, including large-scale querying, preprocessing, and quality control.
- Automated reporting workflows, integrating disparate datasets into a unified system and enabling real-time monitoring of workforce metrics and attrition rate.

Bank of the Philippine Islands   **Makati, Philippines**
Data Science Intern   *Jun 2024 - Aug 2024*
- Delivered finance-focused data projects, covering market data scraping, product recommendation systems, customer segmentation for tailored service delivery, and explainable AI for credit risk modeling.
- Finalist (3/20 teams) in an internal case competition, collaborating with senior leaders across different business units.

OTHER DETAILS

- **Data Skills:** NLP, Deep Learning, Network Analysis. Computer Simulation, Visualization, Time Series Analysis, Web Scraping
- **Technical Competencies:** Python (Scikit-learn, PyTorch, HuggingFace), SQL, Java, R, Git, Power BI, Django, Streamlit, Excel
- **NLP & LLM Tools:** LangChain, LangGraph, RAGAS, LangSmith, NLP libraries (spaCy, NLTK, Gensim, Polyglot), AntConc, Lancsbox, GraphColl, Praat
- Completed Whitebox Research's AI Safety Crash Course, covering foundational concepts in AI alignment, agency, and risks.