Peter Angelo C. Dantes

Aspiring Data Scientist

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Education

- **Bachelor of Science in Computer Science**

  Manuel S. Enverga University Foundation, Lucena
  Expected Graduation: 2026
  - MSEUF University Scholar
  - Consistent MSEUF Dean's Lister

- **State University Graduate**

  Southern Luzon State University - Laboratory School
  Graduated: 2022
  - Graduated with High Honors

Achievements & Competitions

Top 5 Finish - GDSC-PLM InnOlympics 2025

3rd Place - BPI DataWave 2024 - Machine Learning Track

- **[ongoing] Competitor** - Philippine Junior Data Science Competition 2025
- **[ongoing] Competitor** - Philippine Startup Challenge X (PSCX) 2025
- **[ongoing] Competitor** - DAP NextGenPH 2025
- **Competitor -** ASEAN Data Science Explorers 2025
- **Competitor** - Enverga Startup Pitching Competition 2025
- **Competitor -** Enverga Startup Pitching Competition 2024
- **DOST-SEI S&T Undergraduate Scholar Batch 2022**

Microcredentials

- **Unlocking Business Insights through Storytelling with Data**
  Coursera Instructor Network
- **Specialized Models: Time Series and Survival Analysis**
  IBM | Coursera
- **Getting and Cleaning Data**
  John Hopkins University | Coursera
- **Introduction to Retrieval Augmented Generation (RAG)**
  Duke University | Coursera

Technical Skills

- **Artificial Intelligence**
  LLM, RAG, LangChain
- **Programming Languages**
  Python, R, Flutter
- **Data Analysis & Machine Learning**
  Pandas, NumPy, Scikit-Learn, TensorFlow, PyTorch
- **Data Visualization**
  Matplotlib, Seaborn, Plotly, Altair
- **Tools**
  Git/Github, Jupyter Notebook, VS Code, Power BI, Canva

Notable Projects

[ongoing thesis] **Developing a Clinician-Assistive AI System for Psychological Diagnosis Support Using Retrieval-Augmented Generation (RAG) and Speech Emotion Recognition (SER)**

- Developing an assistive AI system to aid psychologists with their diagnostic process.
- Implementing a triple-retrieval system considering Retrieval Augmented Generation (RAG), Speech Emotion Recognition (SER), and Sentiment Analysis.

BPI Alternative Metrics Model for Loan Eligibility

- Developed an AI-driven model using **Isolation Forest** algorithm to assess loan eligibility behavior for underserved MSMEs in the agricultural and fisheries sector.
- aggregated unconventional metrics such as bad loan count, customer ADB, and loan indicator which contributed onto building a cohesive pipeline for prediction.
- Awarded **3rd Place** at **BPI DataWave 2024** for its innovative approach to assessing loan eligibility.

Organizations

- **MSEUF Association of Multimedia Artists and Technologists**
  - Member (Current)
- **Philippine Society of Information Technology Students**
  - Community Extension Services Committee (2024 - 2025)