Rainzle John M. Estuesta

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SUMMARY

Senior Computer Science student specializing in Data Science and AI. 3rd Place Winner at BPI DataWave 2024 with practical experience in NLP, LLM, and Geospatial Analysis. Skilled in Python, scikit-learn, PyTorch and tensorflow. Seeking for Internships.

EDUCATION

Manuel S. Enverga University Foundation **2022 - 2026**

Bachelor of Science in Computer Science with specialization in Data Science *Lucena City, Quezon*

Relevant Coursework: Artificial Intelligence, Deep Learning, Machine Learning, Software Engineering

- *Academic Scholar*
- *Consistent Dean's Lister*

PROJECTS

Taglish-Capable Sentiment Analysis Model

Skills: Prompt Engineering, PyTorch, tensorflow, HuggingFace

- Generated a synthetic Taglish sentiment dataset via Gemini to address low-resource data.
- Fine-tuned an XLM-R model with LoRA to classify sentiment in Filipino code-switching text as a part of a RAG pipeline

National Budget Transparency App *(Top 5 - InnOlympics 2025)*

Skills: Data Visualization, Flutter, Firebase, AI Integration

- Co-built a full-stack Philippine budget transparency platform that converts static DBM PDF releases into searchable, interactive views by agency, region, and year.
- Integrated a Gemini-powered chatbot that explains graphs in plain Filipino/English, lowering the barrier for non-technical users to understand national budget allocations.

Alternative Metrics Model for Loan Eligibility *(3rd Place BPI DATAWave 2024 - ML Track)*

Skills: Data Visualization, Machine Learning, Financial Inclusion

- Designed an Isolation Forest–based credit risk model for underserved MSMEs in agriculture and fisheries using alternative data (socioeconomic indicators, behavioral patterns, regional competitiveness).
- Achieved **98%** accuracy on test and validation data

Project SBAFN: Street-Based Flood-Proneness Mapping for Manila City

Skills: Geospatial Analysis, OSMx / DEM, Data Visualization, Flutter, Firebase, Python

- Built a pipeline that ingests street-level images (Mapillary) and uses YOLO-based object detection to identify cues like drainage infrastructure, road conditions, debris, and visible watermarks.
- Deployed an interactive map interface for planners and LGUs to quickly spot high-risk streets, prioritize drainage upgrades, and plan safer evacuation routes in dense urban areas.

CERTIFICATIONS

Prompt Engineering Specialization - Vanderbilt University *(via Coursera)* *Issued Dec 2025*

Specialized Models: Time Series and Survival Analysis - IBM *(Certificate of Completion)* *Issued June 2025*

TECHNICAL SKILLS

Programming Languages:	Python, Dart, SQL, R
Data Science:	PyTorch, TensorFlow, Pandas, scikit-learn, Power BI, Matplotlib
Developer Tools:	Git, Github, HuggingFace, Visual Studio Code, Jupyter Notebook, Codex

ACHIEVEMENTS

- **1st Place:** Cyber Fest Hackathon Competition, MSEUF CCMS (2024)
- **2nd Place:** Cyberweek 2025: Day 1 - Prototype Output Demonstration, MSEUF CCMS (2025)
- **3RD Place:** BPI DATAWave National Hackathon - Machine Learning Track (2024)
- **Top 5:** InnOlympics 2025, National Hackathon, GDSC - PLM × ING (2025)
- **Rank 3:** BSCS Program Recognition Award (1st Semester, A.Y 2024 - 2025)