

Prince Daniel D. Mampusti

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Objective

Motivated and detail-oriented Computer Science student with a passion for software research and development. Proficient in Python, Jupyter Notebooks, and machine learning frameworks such as PyTorch and Hugging Face Transformers. Experienced in building and deploying deep learning pipelines, I am eager to contribute to cutting-edge projects in Natural Language Processing and Large Language Models while expanding my expertise in R&D and collaboration.

Education

First Asia Institute of Technology and Humanities

BS in Computer Science

Tanauan City, Batangas

Aug 2021 to Jun 2025

- Coursework: Data Structures, Algorithms, Software Development, Web Development, Machine Learning, Data Science
- Dean's List AY. 2023-2024

Malvar Senior High School

TVL in Information and Communication Technology

Malvar, Batangas

Jul 2019 to Jul 2021

- Award: With Honors

Skills

Emotional Intelligence: Adaptability, Collaboration, Communication, Critical Thinking, Time Management

Programming Languages: C, C#, C++, Java, Python

Data Science and Machine Learning: NumPy, Pandas, PyTorch, Scikit-learn, TensorFlow, Transformers

Frameworks: Bootstrap, Django, Flask, HTMX, Tailwind CSS

Development Tools: Docker, Git, Gradio, MySQL, Qdrant, Streamlit

Certification

CompTIA Information Technology Fundamentals

CompTIA ITF+

May 2024

Projects

Snapfolia: Leaf Classification

trees.firstasia.edu.ph 

- Implemented a leaf detection pipeline using Grounding DINO, a state-of-the-art zero-shot object detection model that enables open-set leaf classification without requiring retraining
- Tools Used: Python, Transformers

Barkley: Tree Bark Classification

barkley.streamlit.app 

- Fine-tuned transformer-based models on custom tree bark dataset for species identification
- Deployed a Streamlit web interface for users to upload and classify tree bark images
- Tools Used: Python, Streamlit, Transformers

Semanticclip: Semantic Image Search

Dec 2024

- Engineered a semantic search system that supports image-to-image and natural language queries for efficient retrieval utilizing vector database
- Tools Used: Python, Gradio, Qdrant