

Prince Daniel D. Mampusti

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Objective

I am a motivated individual with a passion for developing efficient and impactful software solutions. I have hands-on experience from college projects, which include data visualization tools and task management applications. I excel in problem-solving and collaboration, and I leverage modern technologies such as Python, C++, and Git. I am eager to contribute my technical expertise and problem-solving skills to meaningful software development initiatives.

Education

First Asia Institute of Technology and Humanities

BS in Computer Science

Tanauan City, Batangas

Aug 2021 to Jun 2025

- Coursework: Data Structures, Algorithms, Machine Learning, Software Development, Web Development
- 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

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

Dev Ops and Version Control: Git, Docker

Web Development Frameworks: Flask, Django, HTMX

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

Certification

CompTIA Information Technology Fundamentals

CompTIA ITF+

May 2024

Projects

Snapfolia: Leaf Classification

trees.firstasia.edu.ph 

- As part of a collaborative work project, me and my team was delegated the task of developing a deep learning model for leaf classification
- Tools Used: Python, YOLO

Barkley: Tree Bark Classification

barkley.streamlit.app 

- Developed a deep learning model where users can scan and identify trees based on their bark
- Tools Used: Python, Streamlit, Transformers

Semanticclip: Semantic Image Search

Dec 2024

- Implemented efficient image search for both image-to-image and natural language queries
- Optimized performance for persistent and in-memory storage
- Tools Used: Python, Gradio, Qdrant

Alamat: Library Inventory System

Nov 2022

- Implemented user authentication, access control, and an archive system for historical record maintenance.
- Tools Used: C++