

DOMINCE ASEBEROS

Full-Stack Developer & Computer Science Student

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PROFESSIONAL SUMMARY

Motivated Computer Science student with hands-on experience in full-stack web and mobile development. Skilled in building modern applications using React, Flutter, FastAPI, Supabase, PostgreSQL, and Firebase. Experienced in developing real-time systems, offline-first architectures, REST APIs, and machine learning-based projects through academic, personal, and freelance initiatives.

EDUCATION

Bachelor of Science in Computer Science

University of Mindanao – Tagum City, Philippines

2023 – Present

- Currently pursuing a BS in Computer Science with a focus on software development, AI, and modern application technologies.

RELEVANT COURSEWORK

- Artificial Intelligence
- Machine Learning
- Natural Language Processing (NLP)
- Deep Learning
- Modeling & Simulation
- Software Development
- Flutter Development
- Web Development
- Database Management
- Data Structures & Algorithms

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Dart, HTML5, CSS3, SQL

Frontend Development: React, Vite, Tailwind CSS, GSAP, Responsive Design, Story-Driven UI

Backend Development: FastAPI, Flask, REST APIs, Authentication, WebSockets / SSE, API Integration

Mobile Development: Flutter, Riverpod, Cross-Platform Development, Offline-First Architecture, Mobile UI Development

Databases & Backend Services: PostgreSQL, Supabase, Firebase Firestore, SQLite, Database Design

AI & Machine Learning: OpenCV, scikit-learn, scikit-image, Hugging Face, Computer Vision

Modeling & Simulation: SimPy, Event-Driven Simulation

Deployment & Cloud: Vercel, Netlify, Render, Railway, Docker

Tools & Platforms: Git, GitHub, VS Code, Postman, Figma, Linux (Basic), Chart.js

PROJECTS

Catsy Coffee | *Full-Stack Developer*

Tech Stack: *FastAPI, Python, React (Vite), Flutter, Dart, Supabase (PostgreSQL), WebSockets / SSE, SQLite*

- Engineered a multi-platform cafe operations system with a FastAPI backend, React storefront, and Flutter POS application.
- Built an offline-first transaction system using local SQLite persistence and queue-based synchronization.
- Implemented real-time stock synchronization using PostgreSQL triggers with SSE / WebSockets.

Banana Leaf Disease Detector | *Full-Stack Developer*

Tech Stack: *Python, Flask, Firebase Firestore, scikit-learn (KNN), OpenCV, scikit-image, JavaScript*

- Developed a computer vision pipeline extracting 59 image features using GLCM, LBP, HOG, and HSV/LAB analysis.
- Designed a human-in-the-loop training workflow storing corrected predictions in Firebase for future optimization.
- Built a Flask web app with confidence scoring, scan history, cloud logging, and visualization dashboards.

Baylora | *Solo Full-Stack Developer*

Tech Stack: *Flutter, Dart, Riverpod, Supabase (PostgreSQL, Auth, Storage)*

- Built a cross-platform marketplace application supporting cash, barter, and hybrid transaction workflows.
- Automated expired listing cleanup using Supabase pg_cron for backend maintenance.
- Refactored frontend publishing systems to improve null-safety, modularity, and scalability.

EXPERIENCE

Student Developer & Independent Project Builder

2023 – Present

- Building and maintaining full-stack, mobile, and machine learning-based projects through academic, personal, and freelance initiatives.
- Practicing API integration, real-time systems, offline-first architecture, authentication, and cloud deployment workflows.
- Developed responsive and story-driven landing pages using React, TypeScript, Tailwind CSS, and GSAP with a focus on modern UI/UX and frontend animations.
- Continuously learning and exploring modern technologies to solve real-world problems.