

# JOSHUA G. DAMPIL

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## SUMMARY

Fourth-year Computer Science student specializing in Machine Learning and Computer Vision. Experienced in building production-ready ML models, mobile and web applications, and automation tools for real clients. Competitively driven, with a proven track record in hackathons and AI projects that deliver practical, high-impact results.

## EXPERIENCE

### Software Engineer

*Freelance*

2024 - Present

- Developed ML models for classification and object detection, plus system automation via GCP, reducing processing time for 20+ clients
- Developed mobile, web, and game applications, incorporating cross-platform features and interactive elements to boost user engagement and scalability

### JojiTech

*Co-Founder*

Cabuyao, Laguna

2024 - Present

- Co-founded startup providing programming solutions for students, developing tools to resolve coding challenges and enhance academic performance
- Extended services to small-scale businesses, creating applications that automate operations and address efficiency issues

## EDUCATION

### Mapua Malayan Colleges Laguna

Cabuyao, Laguna

*BS in Computer Science Specialization in Machine Learning*

August 2022 - October 2026

- Consistent President's Lister

### Muntinlupa National High School

Muntinlupa, NCR

*Science, Technology, Engineering, and Mathematics Strand*

2022

- With High Honors

## PROJECTS

### Kusho' — Smartwatch Air Writing Gesture Assistive System (Thesis, In Progress)

- Developing a smartwatch-based system using hybrid deep learning to recognize air-writing gestures, assisting early learners in handwriting practice.

### Clothera — Virtual Try-On App

- Developed a mobile app that uses ResNet50 and OpenCV to virtually fit accessories and clothes onto a user's body or face.

### MindMap — AI Journaling Platform

- Created a mobile and web journaling app that uses NLP to analyze emotions and provide AI-generated mental wellness insights.

## SKILLS

**Technical:** Python (Advanced), JavaScript/TypeScript, C#, SQL; TensorFlow, Scikit-learn, OpenCV, NumPy; React, React Native; HTML, CSS, REST APIs, FastAPI; Git, GCP

**Language:** Filipino (Native), English (Fluent)

**Soft Skills:** Problem Solver, Critical Thinking, Patient, Collaboration, Teamwork

## ACHIEVEMENTS

### Champion, Byte Forward Hackathon (South Luzon)

September 2025

- Secured first-place championship by developing a tourism and MSME-focused app within 24 hours, innovating solutions to real-world challenges and promoting local economic growth