IGNACIO L. TABUG III
SOFTWARE DEVELOPER
+63-917-103-5629 | ignaciotabug36@gmail.com | LinkedIn: https://www.linkedin.com/in/thirdtabug/

PROFESSIONAL SUMMARY

Full-Stack Developer passionate about building modern, responsive, and user-focused web applications. Skilled in Angular, React, Next.js, Laravel, MySQL, and Supabase, with a solid foundation in software development and UI/UX design. A recent Computer Science graduate from Bicol University, I co-authored an award-winning thesis, *"Securing File Submission Systems: Implementing AES and RSA Encryption with Zstandard Compression,"* and worked on projects in facial recognition and machine learning. Motivated to learn continuously, solve problems, and contribute to impactful, real-world solutions.

KEY SKILLS

- ✓ Angular
- ✓ React
- ✓ Next.js
- ✓ Flutter/Dart
- ✓ Tailwind CSS
- ✓ UI/UX Design
- ✓ Figma
- ✓ Node.js
- ✓ PHP/Laravel
- ✓ Supabase
- ✓ Python
- ✓ JavaScript
- ✓ TypeScript
- ✓ R
- ✓ MySQL
- ✓ Git/Github

WORK EXPERIENCE

Full-Stack Developer Intern | Quanby Solutions Inc.   Jun 2024 – Sept 2024

- Designed and implemented responsive UI/UX features using Angular, Tailwind CSS, and Node.js.
- Contributed to back-end development with Supabase and TypeScript, implementing authentication, data handling, and business logic while integrating seamlessly with the Angular 17 frontend.
- Collaborated in Agile cross-functional teams to maintain system integrity, optimize data flow, and deliver scalable, consistent application performance across all layers.
- Gained hands-on experience in Git/GitHub version control, managing team repositories, pull requests, and merges for an 11-member development team.
- Designed UI/UX for the GSIS Learning Management System (LMS), CATSU, and the VSU Queuing System, focusing on user-friendly interfaces and intuitive navigation.

PROJECTS

Software Engineering Project
"Automated Student Attendance Checker using Facial Recognition"   MAY 2024

- Contributed to the mobile application UI/UX and system integration using Flutter and Dart.
- Contributed to the development of Facial recognition using Python
- Fully integrated the system with working facial recognition connected with the mobile application for attendance tracking and notification system.

Undergraduate Thesis
"Securing File Submission Systems: Implementing AES and RSA Encryption with Zstandard Compression"   MAY 2025

- Co-developed and deployed a secure, end-to-end File Submission System for the Bicol University Research and Development Management Division (BU RDMD), enhancing research document handling, reducing submission time, and ensuring data integrity through robust access controls and encryption. (https://submission.rdesys.bicol-u.edu.ph/)
- Won Best Paper Awards for the BUCS and BU Student R&D Forum

Data Mining Project
"Classifying Bike Trip Durations of Cyclists: A Data Mining Approach to Understand Weather Impact"   APRIL 2024

- Applied data mining and machine learning techniques to classify bike trip durations using Chicago's Divvy bike-sharing dataset.
- Analyzed the relationship between weather variables and trip duration, identifying key factors influencing cyclist behavior.
- Utilized R (ggplot2) for data cleaning, statistical analysis, and visualizing patterns in trip durations.

EDUCATION

BACHELOR'S DEGREE	BS in Computer Science	Bicol University	2020 – 2025
SECONDARY EDUCATION	General Academic Strand	Masbate National Comprehensive High School	With Honors	2014 – 2020

CERTIFICATION

SQL for Data Science	University of California, Davis	AUG 2025
Technical Support Fundamentals	Google	SEPT 2025
Foundation of Cybersecurity	Google	SEPT 2025
Introduction to Cybersecurity	Cisco	JUN 2025