

# Nelson Marc S. Santos

Portfolio: <https://santosnm-portfolio.vercel.app/>

GitHub: <https://github.com/santos1n>

☐ Concepcion, Tarlac, PH | ☎ +63 976 7322 2301 | ✉ santosnelsonmarc@gmail.com

## EDUCATION

Tarlac State University – College of Computer Studies

Bachelor of Science in Computer Science

Cumulative GWA: 1.259 (on a 1.0-5.0 scale)

San Isidro, Tarlac City

August 2021 – July 2025

**Certifications:** *CISCO Certifications:* Switching, Routing, and Wireless Essentials; Cyber Threat Management; Introduction to Networks | *Online Course:* Conquering Responsive Layouts

## TECHNICAL SKILLS

**Languages:** HTML5/CSS3, JavaScript, Python, Java

**Tools & Technologies:** React JS, Bootstrap, Tailwind, MySQL, Git

## PROJECTS

**AnimeVoyage** – Anime Review Blog

*Front-End Development*

October 2023

- Designed and built a static blog website demonstrating proficiency in HTML5/CSS3, and JavaScript.
- Integrated modern UI/UX principles enhancing user engagement and accessibility.

**AnimeVoyage Figurines** – Mock Merchandise Store

December 2023

*Front-End Development and Back-End Development*

- Developed a mock merchandise store built with PHP, MySQL, and JavaScript.
- Integrated user authentication and registration system enabling user access levels.
- Created an analytics dashboard for monitoring and administrative panel for management.
- Designed and built a responsive layout using Bootstrap and Tailwind, enhancing user accessibility.

**AutoSpotter** – Parking Management WebApp

December 2023

*Front-End Development and Back-End Development*

- Developed a real-time parking management system prototype using Arduino and IoT technology.
- Implemented remote live updates on parking availability, enhancing user experience.
- Created a booking system for users to reserve spots, and a real-time admin analytics dashboard for managing spaces and monitoring occupancy.
- Utilized MySQL and Express to ensure robust and secure data management and server-side processing.
- Acquired comprehensive understanding of the Arduino ecosystem and IoT systems in general.

**AcneVision** – Acne Detection Application

April 2025

*Android Development, Machine Learning*

- Developed an Android-based real-time acne classification app using YOLOv9 and Kotlin
- Integrated YOLOv9 deep learning model with ONNX, enabling real-time identification and classification of acne types through smartphone cameras.
- Designed a user-friendly interface with real-time preview, detection overlays, and result visualization to enhance user experience.

Shopping Items – Item List

June 2023

Front-End Development and Back-End Development

- Developed a web-based mobile application for managing shopping list.
- Designed with a mobile-use approach, ensuring seamless user experience on mobile devices.
- Integrated Google Firebase to enable real-time data synchronization across multiple devices, providing users with instant updates and collaboration capabilities.

JavaScript Parser – Parse Tree Generator

May 2024

System Development

- Created a comprehensive JavaScript parser that performs both lexical analysis (tokenization) and syntactical analysis (parsing).
- Built a simple interface using React.js and Tailwind to accept input and display parsing results, including token lists and AST visualizations.
- Implemented a tokenizer to break down an expression into tokens that constructs an Abstract Syntax Tree (AST).

Random Password Generator – Web Cryptography API Generator

May 2024

Front-End Development

- Developed a web application that generates strong, random passwords using the Web Cryptography API.
- Applied modern UI design principles to create a visually appealing and functional user interface, enhancing user satisfaction and engagement.

EXPERIENCE

Summer Internship – Tarlac City Local Government Unit

June 2024–July 2024

Software Development, Data Entry

- Assisted in developing a system for a dialysis center using TypeScript, acquiring hands-on experience in system development.
- Encoded sensitive system user information requiring keen attention to detail and correctness, gaining basic functional skills in MS Excel.