Nelson Marc S. Santos

Portfolio: https://santosnm-portfolio.vercel.app/
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EDUCATION

Tarlac State University – College of Computer Studies   **San Isidro, Tarlac City**
BS Computer Science   **August 2021 – July 2025**
Cumulative GWA: 1.28 | *Magna Cum Laude*

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

TECHNICAL SKILLS

Languages: HTML5/CSS, JavaScript, Python, Java, PHP
Tools & Technologies: CakePHP, AngularJS, React JS, Bootstrap, Tailwind, MySQL, Git

PROJECTS

CRUD – Project Management System   **July 2025**
Full-stack Development
- Developed a CRUD system using CakePHP, AngularJS, and Tailwind.
- Built modules for project management, tracking, modification, notification, etc.
- Implemented system logic to handle file upload, project modification, and email notification.

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.

AnimeVoyage Figurines – Mock Merchandise Store   **December 2023**
Full-stack 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**
Full-stack Development
- Co-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.

Shopping Items – Item List June 2023
Full-stack 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
Software Development
- Created a comprehensive JavaScript parser that performs both lexical analysis (tokenization) and syntactical analysis (parsing).
- Built a user 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).

AnimeVoyage – Anime Review Blog October 2023
Front-End Development
- Designed and built a static blog website demonstrating proficiency in HTML5/CSS3, and JavaScript.
- Integrated modern UI/UX principles enhancing user engagement and accessibility.

EXPERIENCE

Summer Intern – My Creative Panda Inc. June 2025
Full-stack Development, Wordpress Development
- Built a full-featured CRUD system using CakePHP and AngularJS following MVC architecture for clean separation of logic and presentation.
- Developed and maintained custom WordPress themes and advanced plugin configurations tailored to specific client requirements.

Summer Internship – Tarlac City LGU June 2024–July 2024
Software Development, Data Entry
- Assisted in developing a system for a dialysis center using React JS, 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.