

JUSTIN NERI A. PANGILINAN

SOFTWARE ENGINEERING STUDENT | FULL-STACK DEVELOPER

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

Portfolio: <https://justinneri.vercel.app/>

PROFESSIONAL SUMMARY

Fourth-year Computer Science student with hands-on experience building and deploying full-stack web applications and deep learning solutions. Proficient in JavaScript, Python, React, Node.js/Express, PostgreSQL, and YOLOv8 computer vision models. Skilled in designing RESTful APIs, role-based workflows, database constraints, and automated object detection systems within collaborative team environments.

TECHNICAL SKILLS

Programming Languages: JavaScript, Python, Java, SQL, Dart

AI & Computer Vision: YOLOv8, PyTorch, OpenCV, Object Detection, Model Evaluation (mAP, Precision/Recall), Roboflow

Frontend Development: React, HTML, CSS, Tailwind CSS, Vite, Flutter

Backend & APIs: Node.js, Express.js, REST API Development, Authentication, Role-Based Access Control (RBAC)

Database & Security: PostgreSQL, Row Level Security (RLS), SQL Functions & Triggers, Database Constraints, Rate Limiting

Platforms & Deployment: Supabase (Auth, Realtime, Storage), Vercel

SELECTED PROJECTS

WorkBud | OJT Hours and Expense Tracker

React · Express · Supabase PostgreSQL · Vercel

- Built and deployed an installable OJT web app that combines hours and expense tracking through a React interface, Express REST API, and PostgreSQL database.
- Designed a five-table PostgreSQL schema with Row Level Security to isolate user data; secured API requests with token authentication, server-side validation, and rate limiting.
- Documented application setup, deployment, and security controls for its Vercel-hosted release.

LibSpace | Library Discussion Room Reservation System

React · Supabase (PostgreSQL, Auth, Realtime, Storage) · Tailwind CSS · Vercel

- Developed a real-time reservation system for 10 university library discussion rooms, including live availability, student bookings, and staff approvals.
- Prevented overlapping bookings using a PostgreSQL exclusion constraint; automated booking limits, notifications, check-in/check-out, and no-show releases.
- Protected student ID photos through private storage, per-user access policies, and signed URLs.

TulogGuro | AI-Assisted Grading and Classroom Management System (Thesis)

React · Node.js · Express · Prisma · PostgreSQL (Supabase) · Google Gemini · Tailwind CSS · Vercel & Render

- Co-developed, in a four-member thesis team, a learning management system in which a Gemini vision-language model reads typed or handwritten student work against the teacher's rubric and drafts scores and feedback.
- Kept teachers in control with a human-in-the-loop review flow: every AI draft is validated and editable, and releasing grades to students is a separate step.
- Delivered separate Teacher, Student, and Admin interfaces as a progressive web app, with progress dashboards for curriculum competencies and student badges.

EDUCATION

Bachelor of Science in Computer Science

Holy Angel University • Consistent President's Lister

2023 – Present

CERTIFICATIONS & BADGES

CompTIA IT Fundamentals (ITF+) Certification

FreeCodeCamp Responsive Web Design Developer Certification

Cisco Networking Academy JavaScript Essentials 1

Cisco Networking Academy CCNA: Introduction to Network Badge

Cisco Networking Academy Endpoint Security Badge

Introduction to Figma Certification

FreeCodeCamp Relational Database Certification

AWS Academy Graduate - Cloud Foundations - Training Badge

Introduction to Modern AI – Cisco Networking Academy

Optimizing Generative AI – Cisco Networking Academy

Introduction to Claude Cowork - Anthropic (Claude Academy)

Claude 101 - Anthropic (Claude Academy)