

JEM GARCIA

FULL-STACK WEB DEVELOPER | MAGNA CUM LAUDE

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PROFESSIONAL EXPERIENCE

Full-stack developer -Inventory Management System HyperFuture February 2024 - May 2024	PHP, XAMPP, JavaScript, CSS, Github
<ul style="list-style-type: none">Designed and developed a complete Inventory Management System as a full-stack developer using PHP, XAMPP, JavaScript, CSS, and GitHub.Implemented token-based authentication with role-based access (Admin, Moderator, User) and email verification (PHPMailer) to ensure security.Built core CRUD functionalities with filtering and spreadsheet integration, allowing users to import and export inventory data for efficient updates and reporting.Replaced spreadsheet-based workflows with a centralized system, improving data accuracy, reducing errors, and saving time.Utilized GitHub for version control, following best practices in branching and commits to ensure maintainability.	

KEY PROJECTS

Full-stack developer Capstone Project — EASE-PARK: a car parking management system utilizing rfid, esp32, microcontroller, and sensor integration September 2024 - November 2024	JavaScript, CSS, PHP, XAMPP, Arduino, ESP32, RFID, Sensors, Github, XAMMP
<ul style="list-style-type: none">Developed a car parking management system integrating RFID, ESP32 microcontrollers, and sensors with a responsive web application to improve security and efficiency in vehicle access.Built the platform as part of a collaborative team using PHP, XAMPP, JavaScript, CSS, and GitHub.Implemented session-based authentication with email verification (PHPMailer) to ensure secure user access.Collaborated on and coded a responsive dashboard UI to display real-time parking availability, recent activity, and registered users—helping admins monitor usage at a glance.Programmed the web-to-hardware integration to fetch real-time parking slot status from Arduino-based sensors, automatically updating the dashboard.Built CRUD tables with search/filter features for user management and timestamp-based logging to track vehicle entries and exits.Collaborated on dynamic parking lot visualization using CSS and conditional rendering to show real-time slot status: car icons for occupied, empty spaces for available, and warnings for faulty/unavailable sensors.Delivered a functional prototype demonstrating automated, secure, and efficient parking management, reducing manual monitoring and streamlining driver access.	

Full-stack developer ChatAI – AI-Powered Chat Web Application (Portfolio Project) June 2025 - July 2025 Link: https://chat-ai-uify.onrender.com/	Laravel, Blade, Alpine.js, JavaScript, TailwindCSS, Vite, GitHub, DeepSeek v3 API, Google API, Herd, TablePlus
<ul style="list-style-type: none">Built a full-stack ChatGPT-style web application enabling users to create, save, and delete conversations, with real-time AI interaction and typing animations using Alpine.js and AJAX messaging.Implemented secure authentication with Google login, email verification, session handling, and guest chat mode (conversations not stored).Designed and enforced MVC architecture with relational models, middleware, and cache-control headers to ensure user-specific data security and prevent unauthorized access.Developed a responsive UI with Tailwind Typography (prose) for properly formatted AI responses, supporting clean headers, lists, and code blocks across devices.Integrated error handling for API token usage limits and response failures, ensuring reliable AI interaction.Key features include: conversation management (create, save, delete), guest chat mode, real-time AI typing indicator, Markdown-formatted responses, and secure user access controls.Optimized development workflow using Vite for asset bundling and GitHub for version control, demonstrating end-to-end full-stack expertise.	

Full-Stack Developer Taskly – Task Management Web Application (Portfolio Project) July 2025 - September 2025 Link: https://taskly-d79v.onrender.com	Laravel, React, Vite, TailwindCSS, GitHub, Laravel Sanctum, MVC architecture, Typescript, Herd, TablePlus
<ul style="list-style-type: none">Developed a full-stack Single Page Application (SPA) task manager enabling users to create, update, delete, and manage tasks with title, due date, priority, and description, enforcing MVC architecture for maintainable and scalable code.Designed and implemented interactive analytics dashboards using React state management and useEffect, including bar, pie, and donut charts, and productivity cards to provide actionable insights based on real data.Built responsive, mobile-friendly tables with search, filter, update, delete functionality, and pagination to efficiently manage tasks.Implemented authentication and authorization with Laravel Sanctum, utilizing guest and auth guards to ensure secure, user-specific access.Created a landing page showcasing app features and analytics examples to demonstrate functionality.Optimized development workflow using Vite for asset bundling and GitHub for version control.	

EDUCATION

Bachelor of Science in Information Technology
Don Honorio Ventura State University (Pampanga State University) | 2021-2025
Academic Achievement: Magna Cum Laude