

DYNE CHRISTELLE H. SOMBERO

EDUCATION

Notre Dame of Marbel University, Philippines <i>Bachelor's of Science in Computer Science</i> Award: Best Student Research 2025 (Data Science and Algorithm Category). Thesis on "Improving Prediction of Infectious Disease Outbreak s using Attention-based Long Short-term Memory (LSTM) Model with Honey Badger Optimization for Hyperparameter Tuning".	Koronadal, Ph <i>Sept. 2022- May 2025</i>
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WORK EXPERIENCE

Frontend Developer (Project-Based Contract) <i>Maggymaid Company / Remote (US-Based Client)</i> - Contract-based role focused on admin-facing CRM dashboard including leads, customers, bookings, messaging, teams, availability, and settings. - Created reusable UI components with React, TypeScript, andTailwind CSS for scalable frontend architecture. - Integrated frontend modules with REST APIs for real-time bookings, calendars, and team management. - Developed automated n8n workflows integrating WordPressREST API and OpenAI for SEO content generation. - Reduced manual content publishing workload by 80% through end-to-end automation workflows.	<i>September 2025 - November 2025</i>
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Full-Stack Developer (OJT / Internship) <i>Provincial Government of South Cotabato - Information Technology Division</i> - Developed a full-stack data banking system using ASP.NET (C#) improving data retrieval speed by 30%. - Designed and optimized SQL queries, reducing report generation time by 40%. - Collaborated in a 5-person Agile team, contributing to 90% of front-end UI components and backend integration. - Used GitHub Desktop to manage 15+ pull requests, resolving code conflicts and ensuring smooth version control.	<i>May 2024- July 2024</i>
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Freelance Web Developer <i>Fiverr / Remote</i> - Developed and deployed full-stack web apps using React (frontend) and Express.js API (backend) with MongoDB. - Delivered tailored solutions for 3+ clients, increasing performance and usability by 30%. - Built secure RESTful APIs with Express.js, handling 100+ daily user requests with JWT authentication. - Integrated Cloudinary for image upload, optimization, and storage, enhancing media performance by 40%. - Deployed apps to Vercel and Render with 99.9% uptime.	<i>May 2021-July 2023</i>
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PROJECTS

SEO Automization for Wordpress - Built end-to-end automation workflows in n8n to create, update, and optimize WordPress posts. - Automated full content lifecycle: fetching and modifying existing posts, enhancing SEO, updating featured images. - Reduced manual posting workload by 90% through advanced workflow design, error handling, and modular automation steps.	n8n
Admin Management System (CRM) - Developed a full admin-facing CRM web application with core modules for leads, customers, bookings, messaging, teams, and settings. - Built scalable and reusable UI components using React, TypeScript, and Tailwind CSS for a consistent and maintainable system. - Implemented advanced data tables with search, filtering, sorting, and pagination to improve data management efficiency. - Integrated REST APIs for real-time handling of bookings, calendars, leads, and team assignments.	React.js Typescript Tailwind CSS
Real Estate Website UI - Designed and implemented a fully responsive frontend interface for mobile, tablet, and desktop, ensuring a seamless user experience across devices. - Built 20+ reusable UI components using Tailwind CSS to improve development speed and maintain design consistency. - Optimized accessibility and SEO performance, achieving 97%+ Lighthouse scores and improving overall site usability.	Next.js Typescript Tailwind CSS
E-commerce - Developed a full-stack e-commerce platform supporting real-time checkout and managing 100+ products. - Integrated REST APIs and MongoDB to improve performance and reduce load times by 60%. - Built a secure authentication system using JSON Web Token (JWT) and password hashing to protect user data and manage 20+ test accounts.	MongoDB Express JS React.js Node.js
PEMO (Provincial Environment and Management Office) Data Banking - Migrated a legacy environmental website into a modern, SQL-driven web application with improved search and data management capabilities. - Improved internal data access speed by 70%, enabling faster report generation and supporting more efficient policy decision-making. - Implemented core CRUD functionalities with stable performance and zero major issues reported during testing.	ASP.Net C# Microsoft SQL Server Azure
Digital Planner - Designed a planner app prototype tested by 10+ users, achieving a 92% usability satisfaction rating. - Improved navigation efficiency by 40% through user-centered UI/UX design and optimized layout structuring. - Developed 4 core features calendar, task tracking, reminders, and personalization based on user needs and usability feedback.	Figma
Prediction Model - Developed an LSTM-based AI prediction model using TensorFlow and Keras in Python, achieving 85% accuracy in dengue outbreak forecasting using historical health and climate data. - Applied Honey Badger Optimization in MATLAB for hyperparameter tuning, reducing model training time by 25%. - Processed and analyzed 12,000+ data points using KNIME for data preprocessing and workflow automation.	Python Google Colab KNIME VisualCrossing GoogleEarthEngine

SEMINARS

Philippine Society of Information Technology Students Regional Convention Represented myschoolandcollaboratedwithfellowITstudentsfromdifferentregions, fostering professional connections and sharing best practices.	Gensan, Ph. <i>April 28-29 2023</i>
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SKILLS

Languages: C#, JavaScript, TypeScript
Web Technologies & Tools: React.js, Next.js, Node.js, ASP.NET, HTML5, CSS3, Tailwind CSS, Express.js
Databases & Cloud Platforms: Microsoft SQL Server, MongoDB, Azure, AWS, Vercel
AI, Data & Analytics Tools: KNIME, Google Colab, Google Earth Engine, LLMs, ML tools, n8n
CI/CD & Version Control: Git, GitHub, GitHub Desktop