John Carlo Alcantara

COMPUTER ENGINEERING STUDENT | ASPIRING DATA ANALYST

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ABOUT ME

2nd-year Computer Engineering student at De La Salle University specializing in high-performance web applications. Proven track record of building full-stack solutions that solve real-world scheduling and administrative problems. Expert in bridging the gap between hardware-level logic and modern frontend aesthetics using React, Next.js, and Astro.

EDUCATION

De La Salle University (DLSU) | BS in Computer Engineering 2023 – Present
- Focus: Hardware-software integration, data structures, and advanced algorithmic problem-solving.
- Relevant Coursework: Object-Oriented Programming, Logic Circuits, and Discrete Mathematics.

FEATURED PROJECTS

PICKLE JAR COURTS RESERVATION SYSTEM | LEAD DEVELOPER

- Architected a full-stack booking application featuring a real-time scheduling grid and "Time Travel" protection to prevent invalid past bookings.
- Implemented dynamic pricing logic for automated "Happy Hour" discounts and integrated EmailJS for instant user notifications.
- Developed a secure Admin Dashboard for booking approvals and a custom modal for GCash QR payment verification.

LA JOYA HOA PORTAL | LEAD DEVELOPER

- Developed a community-scale management system for the La Joya Homeowners Association, digitizing administrative workflows and resident communication.
- Streamlined document access and announcements, reducing information fragmentation for over 200+ residents.
- Achieved 99+ Lighthouse performance scores using Astro and Tailwind CSS

SKILLS

- **Frontend:** React.js, Next.js, Astro, Tailwind CSS, TypeScript.
- **Backend/DB:** Node.js, Python, Firebase Firestore, Supabase.
- **Tools:** Git/GitHub, Vercel, VS Code, Figma, EmailJS