

JEMUEL S. VALENCIA

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EDUCATION

University of San Carlos, Cebu, Philippines

Expected 2027

Bachelor of Science in Computer Science
Consistent Dean's Lister

PROJECTS

Voxel DCISM

- Developed a web-based multiplayer platform where authenticated users can place, break, and customize voxels in a shared 3D environment.
- Implemented collaborative world interactions that allow users to create structures and see changes reflected in a shared environment in real time.

jemueldev Portfolio and CMS

- Built a responsive portfolio website with a password-protected CMS for managing projects, research, skills, education, images, and documents without directly editing source code.
- Developed the application using Node.js, Express, EJS, SQLite, HTML, CSS, and JavaScript, incorporating session management, CSRF protection, secure file uploads, and input sanitization.
- Designed interchangeable frontend themes, including an interactive solar-system interface with responsive navigation.

Val Residences Apartment Management System

- Developed a web-based apartment management platform for handling units, tenants, rental applications, leases, payments, maintenance requests, and announcements.
- Organized workflows for administrators, existing tenants, and prospective renters to streamline property management and rental services.

Wikibytes

- Created a computer encyclopedia website featuring six educational portfolios covering computer science and computing topics.
- Designed an early-web-inspired interface with organized content, internal navigation, images, tables, source references, and downloadable PDF materials.

TECHNICAL SKILLS

- **Programming:** Python, Java, C, JavaScript, TypeScript
- **Web Development:** Node.js, Express, React, HTML, CSS, PHP
- **Databases:** SQLite, MySQL, MongoDB, Supabase
- **Data and Machine Learning:** Python, pandas, NumPy, scikit-learn
- **Tools:** Git, GitHub, Linux

CERTIFICATIONS

- **PhilNITS Fundamental Information Technology Engineer (FE)** – Passer, April 26, 2026
- **CCNA: Introduction to Networks** – Cisco Networking Academy
- **CCNA: Switching, Routing, and Wireless Essentials** – Cisco Networking Academy