

CHRISTIAN LUIS S. ACERON

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PROFESSIONAL SUMMARY

I am an aspiring IT professional currently pursuing a Bachelor of Science in Information Technology. Skilled in web development, programming, and IoT-based systems, with hands-on experience in developing a machine learning-powered water quality monitoring system. Civil Service Professional Exam passer with a solid foundation in research, teamwork, and problem-solving. Eager to apply technical knowledge and contribute to real-world software and technology projects.

EDUCATION

Our Lady of Lourdes College Foundation

Bachelor of Science in Information Technology

Daet, Camarines Norte

August 2022 - Present

Expected Graduation: March 2026

TECHNICAL SKILLS AND EXPERTISE

- **Languages:** HTML, CSS, JavaScript, Python, SQL, C++, TypeScript
- **Frameworks / Libraries:** React.js, Next.js, Tailwind CSS, Flask, Framer Motion, Leaflet.js
- **Databases / Cloud:** MySQL, SQLite, PostgreSQL, MongoDB, Firebase, Supabase
- **Tools & Hardware:** Figma, Arduino, Raspberry Pi, Git, NPM, Canva

ELIGIBILITY / ACHIEVEMENTS

- **Civil Service Exam – Career Service Professional Level**
Passed: August 2025 (*Certificate in process*)

PROJECTS

BantayTubig | Python, Machine Learning, Raspberry Pi, Sensors (pH, Turbidity, TDS, Temperature)

- Designed and implemented an IoT-based water quality monitoring system for communities with limited water testing access.
- Integrated multiple environmental sensors to collect real-time water parameter data through a continuous flow system.
- Developed a machine learning classification model (using Python + Scikit-learn) to predict overall water quality status from sensor readings.
- Deployed the system using a Raspberry Pi for data processing and wireless data transmission.

Personal Web Portfolio | Next.js, React, Tailwind CSS, Framer Motion, Supabase, Vercel

- Developed a modern, interactive personal web portfolio to showcase technical projects, skills, and professional background in a visually engaging and highly responsive format.
- Implemented UI/UX-focused design using Tailwind CSS, flexible layout systems, and smooth page transitions and animations powered by Framer Motion.
- Added a Chat Hub messaging module allowing visitors, peers, and collaborators to provide feedback and engage in discussions directly through the website.
- Integrated project showcase modules with dynamic filtering, optimized images, and links to GitHub and live demos to allow efficient navigation and exploration.
- Deployed through Vercel with GitHub-powered CI/CD for continuous updates, performance optimization, and easy scalability.