RICHMOND CONSTANTE

CONTACT

Phone: 0915035602

Email: r.constante.dev@gmail.com

Address: Dasmariñas City, Cavite Philippines

Portfolio: rconstante.netlify.app

SUMMARY

I'm passionate and detail-oriented Computer Science student entering my 4th year at De La Salle University – Dasmariñas specializing in Intelligent Systems. I enjoy building practical, creative software from web application to IoT and machine learning projects. I am comfortable working on both frontend and backend system, I love digging into programming challenges, designing good algorithms, and creating solid system architectures. What drives me most is using the technology to solve real-world problems in meaningful ways.

EXPERIENCE & PROJECTS

Automata Visualizer Web App | 2025

Tech: JavaScript, React, Vite, Tailwind CSS

- Built an interactive website for visualizing finite automata, including DFA, NFA, and PDA.
- Designed multiple themes and layouts to enhance usability and learning.
- Used React for dynamic rendering and state management.

StudySpace – Smart Study Area Selector | 2025

Tech: IoT, Machine Learning, Mobile Interface

- Designed a sensor-based IoT system with mobile app feedback for optimal study zones.
- Integrated noise, light, temperature, humidity and lighting for ML-based prediction.

SmartWater – Water Quality Monitoring System | 2024

Tech: Python, Flask, SQL, External APIs

- Built a Flask-based backend integrated with a machine learning model to classify water quality.
- Used external weather APIs to enrich environmental input data.
- Developed user authentication features using SQL: login and signup

TypeSafe – Spam Text Classifier Web App | 2024

Tech: HTML, CSS, JavaScript, Flask, SQL, NLP

- Developed a Flask-powered web application with server-rendered HTML templates for spam classification.
- Integrated a machine learning model to classify user-submitted text via traditional web forms.
- Built user authentication and session handling using MySQL (login/signup system).
- Designed a clean and responsive UI using HTML, CSS, and JavaScript to improve user experience.

TECHNICAL SKILLS

Languages

- Python
- Java
- JavaScript
- SQL
- HTML
- CSS

Frameworks & Tools:

- React
- Flask
- Tailwind CSS
- Vite
- Arduino
- Expo

Technologies

- Machine Learning (ML)
- Natural Language Processing (NLP)
- IoT Systems
- Computer Vision (CV)

Database

- Access
- SQL

PERSONAL & SOFT SKILLS

- Analytical thinking and creative problem-solving
- Team collaboration and Agile adaptability
- Attention to detail and debugging focus
- Fast learner with strong self-motivation
- Continuously improving through feedback and iteration

EDUCATION

De La Salle University – Dasmariñas
Course: *Bachelor of Science in Computer Science*
Specialization: *Intelligent Systems*
Expected Graduation: *June 2026*

Emilio Aguinaldo College – Dasmariñas
Senior High School (STEM)
Graduated: *2022*

Dasmariñas East Integrated High School
Junior High School
Graduated: *2020*