RICHMOND CONSTANTE

CONTACT   **Phone**: 0915035602   **Address**: Dasmariñas City, Cavite Philippines
              Email: r.constante.dev@gmail.com

SUMMARY   A passionate and detail-oriented Computer Science student entering 4th year at De La Salle University – Dasmariñas (DLSUD), specializing in Intelligent Systems. Demonstrated ability to build diverse and functional software solutions ranging from web applications to IoT and machine learning-based systems. Adept at working with both frontend and backend technologies. Strong foundation in programming, algorithm design, and system architecture, with a continuous drive to solve real-world problems.

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
- Designed and deployed RESTful API routes for data submission and result delivery.

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

Technologies

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

Frameworks & Tools:

- React
- Flask
- Tailwind CSS
- Vite
- Arduino

Database

- Access
- SQL

PERSONAL & SOFT SKILLS

- Analytical thinking and creative problem-solving
- Clear written and verbal communication
- Team collaboration and Agile adaptability
- Attention to detail and debugging focus
- Fast learner with strong self-motivation

EDUCATION

De La Salle University – Dasmariñas 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*