

# JAMAICA VERA

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## SUMMARY

- Computer Engineering graduate with strong foundation in software development, machine learning, and web technologies, complemented by experience in hardware and embedded systems.
- Skilled in building innovative applications, integrating ML/DSP solutions, and developing automation systems.
- Adaptable, detail-oriented, and effective in both individual and team-based projects.

## EXPERIENCES

### Software Development Intern | TRIOE DevOps, STEER Hub

February 2025 - April 2025

- Assisted in software and web development tasks, applying basic knowledge in programming and debugging.
- Contributed to UI/UX and graphic design for projects, enhancing usability and visual appeal.
- Supported the team in testing and improving applications to ensure functionality and reliability.
- Developed problem-solving and teamwork skills by working closely with mentors and peers in a professional environment.

### Computer System Servicing (CSS) Major | Junior High School – Bauan Technical High School

2016 - 2018

- Gained hands-on experience in computer hardware assembly, repair, and maintenance.
- Performed system troubleshooting and installation of operating systems and software.
- Practiced basic networking setup including LAN configuration and cabling.
- Applied preventive maintenance techniques to ensure efficient computer system performance.
- Successfully passed TESDA NC II – Computer System Servicing assessment (certificate not claimed).

## EDUCATION

### Bachelor of Science in Computer Engineering

Batangas State University - Alangilan Campus, The National Engineering University | 2025

### Science, Technology, Engineering, and Mathematics (STEM)

Bauan Technical High School | 2019 - 2021

### Computer System Servicing (CSS)

Bauan Technical High School | 2016 - 2018

## **SOFTWARE AND DEVELOPMENT SKILLS**

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- Programming: Python, C, C++, Java, JavaScript
- Web Development: HTML, CSS, React.js, Node.js
- Tools: Git, VS Code, Google Colab, MATLAB
- Graphic Design: Canva, PicsArt, Capcut

## **HARDWARE AND EMBEDDED SYSTEM SKILLS**

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- Microcontrollers: Arduino
- IoT Devices: Sensors & Actuators, LCD, Buzzer Modules
- Circuit Design & Prototyping: Tinkercad, Breadboarding

## **SOFT SKILLS**

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- Problem-solving & analytical thinking
- Leadership & teamwork in collaborative projects
- Communication & presentation skills
- Adaptability to new tools & technologies

## **PROJECTS**

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### **Thesis Project – AcoustiTune : Sound Optimization and Recommendation Application for Venue-specific Audio Enhancement**

Developed a web-based ML + DSP application for venue-specific sound optimization and real-time audio recommendations.

### **Smart City Automation Project**

Built an automatic window and garage door system with rain sensor integration using Arduino and actuators.

### **Machine Learning Research**

Implemented CNN architectures (e.g., AlexNet) for image classification on Kaggle datasets.

## **SEMINARS ATTENDED**

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### **Building a Smarter grid-IoT, Security and Innovation in the Philippines**

Speaker: Butch Brian Velasco De Luna, *Tech Ops & InfoSec Manager*

### **Introduction to Digital Twin Technology: Concepts and Application**

Speaker: Architect Jijet Ana Clariz V. De La Rosa, *UAP, EnP Corporate Planning and Business Development Head Aidea*