

CATUIZA, JOHN EMMANUEL V.

<https://jemcatuiza.github.io/portfolio/>

Web Developer



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CAPITOL PARK HOMES 2 CALOOCAN CITY



SUMMARY

I am John Emmanuel Catuiza, a Computer Engineering graduate from National University Fairview. I have a solid understanding of electronic microcontrollers such as ESP32 and Arduino. In addition, I possess basic knowledge in various software programming languages including HTML, CSS, JavaScript, and Python, and have experience with frameworks like Bootstrap. I also have a foundational background in VB.NET and MIT. With my combined skills in hardware and software, I am equipped to handle diverse technological challenges.

EDUCATION

National University

Bachelor's Degree in Computer Engineering
2020 – 2024

Our Lady of Fatima University

Science, Technology, Engineering, and Mathematics
2018 – 2020

SKILLS

- Basic knowledge in electronic circuit /Imbedded system (breadboard, capacitor, wiring, resistor)
- Computer-savvy and tech-literate.
- Experienced in resolving computer issues, and proficient in computer troubleshooting.
- Proficient in Microsoft Office applications such as Word, PowerPoint, and Excel, as well as Canva.
- Capable of maximizing emerging tools like AI to enhance productivity.
- Has a basic knowledge of various programming languages, including HTML, CSS, JavaScript, Python, VB.NET, PHP, and MySQL.

SEMINARS AND FIELDTRIP

- Collaborated to secure guest speakers and venues for Computer Engineering-related events.
- Attended seminars on "Emerging IT Technologies in 2024" and "Career Path for Full stack Web Developer" at National University - Fairview.
- Attended an on-site seminar by Hytec Power Incorporated.
- Visited Smart Communications Inc. and Department of Science and Technology - Electronics Product Development Center on a field trip.

PROFESSIONAL EXPERIENCE

Personal Project

Personal Project

- Developed a mini space shooter game using Python and the Pygame library.
- Built an automatic certificate generation system using Python with a Tkinter GUI.
- Designed a static movie website, a Snake game, and a school information system using HTML, CSS, and JavaScript.
- Currently studying Godot for creating 2D and 3D games.

INTERN

Hytec Power Inc | April - May 2024

- Help in developing the front end of a CRM system using HTML, CSS, and JavaScript, along with frameworks like Bootstrap and Tailwind.
- Experience in developing a document management system for front end using HTML CSS and Javascript
- Assist the FAE in giving the company guest a tour of our building, explaining the tools and equipment, as well as how they function.

Project Leader

School Project | 2020 – 2024

- Developed a Simple ATM program using Python and Tkinter library
- Experience in creating a Bluetooth-controlled car using a Bluetooth module and a microcontroller.
- Created a simple parking system integrated with a microcontroller and connected to software developed in VB.NET.
- Experienced in using sensors and developed a smart mousetrap with a servo, connected to a Windows form application using VB.NET.
- Used an ESP32 microcontroller as a web server to deploy a website for monitoring data gathered by our prototype, utilizing HTML, CSS, JavaScript, and Arduino.