



NEIL ANDREW SONEJA

COMPUTER ENGINEER



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SUMMARY

I am a computer engineer who develops and maintains systems designed to provide effective solutions to various problems. I am a fast learner with strong problem-solving and analytical skills, constantly upskilling, and adaptable to working with available resources.

PROJECTS

Automated Sugarcane Variety Detection for Farmers Verification

Computer Vision | Microcontrollers | Python | C++

- A system that identifies and sorts sugarcane billets according to its variety for optimization of yield. It integrates custom-built hardware with machine learning to classify and sort five sugarcane varieties. VGG16 Convolutional Neural Network (CNN) model is used and trained using transfer learning. The application and user interface uses Python, and C++ for microcontrollers and sensors.

Portfolio | soneja.click

Amazon EC2 | Amazon Route 53 | Node.js | Linux |

- My personal site that showcases more projects and provides other information about me. It is hosted on a t2.micro Amazon EC2 instance that runs on a Linux/UNIX platform. It has a configured Amazon Route 53 that manages domain registration, DNS routing, and health checking.

WORK EXPERIENCE

Cru Philippines

Software Engineer - June 2025 - Current

- Designed and implemented a submission platform that automated data collection.
- Created and managed automation solutions using Apps Script across applications and resources in the Google Workspace environment.
- Contributed to the improvement of development best practices.

Mitsubishi UFJ Financial Group

Intern - Cloud Engineer • March - April 2024

- Launched and configured EC2 instances, maintaining optimal performance and security of EC2 with implementation of best practices for access control and security
- Installed and configured WordPress on EC2 instances and developed a fully functional and customized blog website using WordPress, ensuring security, responsiveness, and is user-friendly.

PROFICIENCY

Machine Learning

Computer Vision | Python | OpenCV

Embedded Systems

C++ | Microcontrollers | SBC | IoT

Cloud & Infrastructure

Amazon EC2 | Cisco | Linux

Programming & Development

Python | JavaScript | Bootstrap | HTML

CERTIFICATIONS

CyberOps Associate

Cisco Networking Academy

CCNAv7: Introduction to Networks

Cisco Networking Academy

CCNAv7: Switching, Routing, and Wireless Essentials

Cisco Networking Academy

CCNAv7: Enterprise Networking, Security, and Automation

Cisco Networking Academy

EDUCATION

Bachelor of Science in Computer Engineering

Technological Institute of the Philippines Manila

Philippine Science High School

Bicol Region Campus

REFERENCE

Dr. Jennalyn Mindoro

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