



# JAN MIGUEL R. DEL ROSARIO

## BSIT STUDENT | OJT APPLICANT



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San Fernando, Pampanga

### EDUCATION

**BACHELOR OF SCIENCE IN  
INFORMATION TECHNOLOGY**

**PAMPANGA STATE UNIVERSITY**

**2022- PRESENT**

### TECHNICAL SKILLS

#### PROGRAMMING

- HTML, CSS, JS
- Basic Laravel
- Arduino (Embedded C)

#### NETWORKING

- Network Simulation (Cisco Packet Tracer)
- Basic Hardware & Software Troubleshooting
- LAN Setup & Troubleshooting

#### TOOLS

- VS CODE
- Adobe
- ARDUINO IDE
- PHPMYADMIN
- CANVA/FIGMA

### SOFT SKILLS

- Teamwork
- Problem-solving
- Fast learner
- Time management
- Video Editing

### REFERENCE

**ANICIA L. FERRER | MSIT | OJT COORDINATOR**  
**PAMPANGA STATE UNIVERSITY**  
**RELATIONSHIP: COORDINATOR**

### OBJECTIVE

I am a fourth-year BS Information Technology student seeking an OJT/Internship position to gain practical experience in a professional setting. I am motivated to learn from industry experts, embrace new challenges, and strengthen my technical skills in preparation for a career in IT. I aim to contribute meaningfully to the organization while continuously developing both personally and professionally.

### PROJECTS

#### CAPSTONE PROJECT

**Crash Guard: A Smart Helmet with Alcohol Detection and Crash Alert for Motorcycle Rentals**

- Developed an IoT-enabled smart helmet for motorcycle rentals
- Implemented alcohol detection to prevent drunk driving
- Implemented helmet detection to prevent driving without a helmet
- Built crash detection with automatic SMS + GPS alerts
- Integrated ignition lock mechanism using ESP32

#### Role:

Programmed and integrated Arduino and ESP32 modules to interface with a motorcycle system, enabling coordinated control and communication.

#### Project demo link:

[https://drive.google.com/drive/folders/1bwRWH8p2wfD-4cZR8shLMscUWXzobb\\_0?usp=sharing](https://drive.google.com/drive/folders/1bwRWH8p2wfD-4cZR8shLMscUWXzobb_0?usp=sharing)

### PORTFOLIO

<https://janmigueldelrosario96-oss.github.io/portfolio-janmiguel/>

### CERTIFICATES

- Palo Alto Networks Certified – Network Security Fundamentals
- Palo Alto Networks Certified – Security Operations Fundamentals
- Palo Alto Networks Certified – Cloud Security Fundamentals
- Introduction to IoT and Digital Transformation Certificate – Cisco Networking Academy