JANEL LARIBA

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Education

- **Bachelor of Science in Computer Engineering**   **2021-2025**
  Colegio De Muntinlupa

Work Experience

IT Intern - SBT Holdings Inc., IT Department – Muntinlupa City   **May-July 2024**

Laravel Projects
- Designed and implemented the front-end of a Game Rental Inventory Management System using Laravel, focusing on responsive UI design, Blade templating, and system navigation flow to improve overall usability.
- Built a Student Management System during training to strengthen Laravel fundamentals, including routing, controllers, and database integration.

Web Development
- Designed and developed responsive websites using HTML, CSS, and Bootstrap as part of pre-project activities.

IT Support & Professional Skills
- Assisted in basic computer maintenance, including cleaning, assembling, and disassembling hardware.
- Gained experience in team collaboration, problem-solving, and independent learning through research and tutorials.

Academic Projects

ThirdVision: A Real-Time Threat Detection and Alert Notification System (Thesis)
- Developed a system that detects threats such as weapons, face-coverings and victim-aggressor poses using YOLOv8 with integrated alert notifications to enhance security and support rapid response.
- Mainly responsible for AI model training, dataset augmentation, and image recognition techniques to achieve reliable real-time detection.

Automated Paint Production System
- Designed and simulated a pneumatic actuation system using FluidSIM to create optimized automation logic to improve paint production workflows.

SMART Quiz Application
- Developed a quiz application using C# Windows Form to provide an interactive platform for learning assessment.

Health Information Management System
- Created a management system using PHP, HTML and CSS to organize and manage health-related records for school clinic.

Skills

Technical Skills
- Programming Language: HTML, Tailwind CSS, Bootstrap, Laravel, Python and MySQL
- Computer Hardware Maintenance: Assembly, Cleaning, Disassembly
- AI Image Recognition (Thesis-Based): YOLOv8 for object detection and classification
- IoT System Integration: Exposure to sensor data collection and real-time monitoring
- PLC (Basic): Familiarity with ladder diagrams and logic control systems
- Computer-Aided Design (CAD): Basic experience using tools for schematic and layout design

Soft Skills
- Problem-Solving
- Time Management
- Attention to Detail
- Team Collaboration
- Adaptable and Willing to Learn

Certifications/Awards

Best in Thesis – Computer Engineering   Colegio De Muntinlupa
- Received Best Thesis Award at the CDM Research Colloquium for ThirdVision, an AI-powered threat detection and alert system using YOLOv8.
- Presented the research at DOST 4th National Metals and Engineering Conference 2025