

# SALAPARE, MELARD ANGELO B.

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## OBJECTIVE

Computer Science professional seeking to apply expertise in AI integration and full-stack development in C#, Python, SQL, and various software development tools to deliver high-quality software solutions. Aiming to apply hands-on experience in structured development and verification testing to solve real-world technical challenges within a collaborative team environment.

## TECHNICAL SKILLS

**Programming:** Python, C#, SQL, HTML5, CSS3, JavaScript, C++, Bash

**Frameworks & Libraries:** .NET, ASP.NET MVC, Entity Framework, Spring Boot, Flask, Scikit-learn, OpenCV, Maven

**Cloud & Tools:** AWS (EC2, IAM), Azure, Google Cloud, Git/GitHub, MySQL Workbench, XAMPP

**Core Competencies:** Full-Stack Web Development, SDLC (Agile/Waterfall), Test-Driven Development (TDD), Machine Learning Pipeline Design, Collaboration & Peer Review, Technical Documentation, Agile Scrums

## EDUCATION & CERTIFICATIONS

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (MACHINE LEARNING)  
Mapúa Malayan Colleges Laguna

2022-Expected December 2026

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)  
Mapúa Malayan Colleges Laguna

2019-2021

### CERTIFICATION

- **Full Stack Web Development** | Amazon (AWS) 2026
- **AWS Academy Graduate** | AWS Academy Cloud Foundations 2023
- **Google Cloud Computing Foundations** | Google Cloud 2023

## PROJECTS

**Depression Prediction: Student Mental Health AI** | *Python, Flask, Scikit-Learn, Pandas*

- **System Architecture:** Architected a full-stack Flask application utilizing a Bagging Classifier to identify behavioral patterns and mental health risk levels among students.
- **Hybrid Logic Implementation:** Developed a heuristic validation layer to cross-reference machine learning cluster outputs with clinical stress indicators, improving system reliability in edge-case scenarios.
- **Data Pipeline:** Engineered a preprocessing pipeline including manual feature scaling and normalization to ensure real-time user inputs aligned with training data variance.

**SecureSense: AI Anti-Spoofing Security AI** | *OpenCV, MediaPipe, SVM/KNN*

- **Biometric Security:** Engineered a multi-layered anti-spoofing system utilizing blink detection and facial recognition to mitigate unauthorized access from static images or video replays.
- **Model Optimization:** Trained and optimized SVM and KNN classifiers to achieve high-accuracy differentiation between live subjects and spoofing attempts.

**CLIR: Library Management System** | *C#, ASP.NET MVC, MySQL, Azure*

- **Workflow Automation:** Modernized legacy library operations by transitioning manual record-keeping to a centralized ASP.NET MVC architecture.
- **Database Management:** Designed a 3NF-normalized MySQL database to manage complex relationships between inventory, user accounts, and circulation logs.
- **Cloud Deployment:** Orchestrated hosting via Azure to ensure cross-device accessibility and real-time data synchronization.

**Rewved Up: Automotive eCommerce** | *C#, ASP.NET MVC, JavaScript*

- **Core Functionality:** Developed a comprehensive eCommerce platform featuring dynamic product catalogs, session-based cart management, and a secure checkout pipeline.
- **User Experience:** Integrated JavaScript-driven UI components to handle real-time inventory updates and interactive data handling without page refresh.