

# JOHN PATRICK SALANGSANG

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## EDUCATION

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### HOLY ANGEL UNIVERSITY

Angeles City, Pampanga

Bachelor of Science in Computer Science

2025

Cumulative GWA: 1.21; Academic Honor Student

Relevant Coursework: Data Analysis, Software Development, Operating Systems, Algorithms, Artificial Intelligence, Machine Learning, Blockchain, Automata, Database Management

## WORK EXPERIENCE

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### CLARK OUTSOURCING

Clark Freeport Zone, Pampanga

Full Stack Developer Intern

Dec 2025 – Mar 2025

- Contributed to the development and maintenance of the company's HRIS web application.
- Utilized Angular for frontend development, creating dynamic and responsive UI components.
- Implemented backend functionalities using Lumen Laravel to support data management and user operations.
- Managed MySQL database operations, ensuring efficient data storage and retrieval.
- Debugged and resolved issues across both frontend and backend environments to enhance application performance.
- Collaborated in testing APIs using Postman, ensuring proper integration between frontend and backend.

## UNIVERSITY PROJECTS

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### KAAuth: Counterfeit Detection Application for Philippine Peso Banknote using Image Processing through Convolutional Neural Network

2025

- Developed a mobile application using Flutter and Dart to detect counterfeit Philippine peso banknotes.
- Integrated TFLite for the deployment of a deep learning model, leveraging the Xception Convolutional Neural Network (CNN) architecture for accurate banknote classification.

### SKIMATA: Web Application for Visualization of CPU and Memory Management Algorithms

2024

- Co-developed a web application that visualizes various CPU and memory management algorithms, contributing specifically to the implementation of the Non-Preemptive Priority CPU Scheduling Algorithm.
- Utilized JavaScript, HTML, and CSS to build both the frontend interface and backend logic, providing an interactive and educational tool for understanding system processes.

### System Analyser: Web Application for Predicting the Estimated Relative Performance of Computer Hardwares using Multiple Linear Regression

2024

- Designed a web-based platform using Flask framework for backend processing and multiple linear regression to predict hardware performance based on input parameters.
- Developed the frontend using HTML, CSS, and JavaScript, while employing Python for data analysis and model predictions, providing users with insights into relative hardware performance.

### Gaming Equipment Rental Computer Application using JavaFX for GUI

2023

- Built a desktop application with a user-friendly interface using JavaFX and SceneBuilder for renting gaming equipment, incorporating full CRUD operations.
- Employed MySQL database hosted on XAMPP for data storage, handling equipment rentals and management efficiently.
- Developed using Apache NetBeans IDE, ensuring seamless integration between frontend and backend components.

## ADDITIONAL

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**Technical Skills:** Full Stack Software Development, UI/UX Design, Machine Learning, Data Analysis, Academic Writing, Database Management, Cloud Computing, Version Control

**Programming Languages:** Python, Javascript, HTML, CSS, Dart, Java, SQL, Solidity, Typescript, PHP

**Frameworks and Technologies:** Flutter, NodeJS, Flask, JavaFX, Git, MySQL, Angular, Lumen Laravel, Postman