

John Patrick M. Salangsang

Computer Science Student

+63 960 366 4606 · salangsangjpmoreno@gmail.com

<https://salangsangjohnpatrick.github.io/jpms-portfolio/>

[linkedin.com/in/john-patrick-salangsang](https://www.linkedin.com/in/john-patrick-salangsang) · City of San Fernando, Pampanga



ABOUT

I am a fourth-year Computer Science student with a strong passion for software development. I have developed a diverse technical skill set, allowing me to work on a range of projects, including backend systems, web applications, and mobile app development. As I transition into the professional world, I am eager to apply my knowledge, continue learning, and contribute to impactful, innovative projects.

PROJECTS

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

- A mobile application made in Flutter, Dart, and TFLite for model deployment.
- With utilization of deep learning, particularly Xception CNN Architecture for model development.
- Github Repository: <https://github.com/SalangsangJohnPatrick/KAuth-CounterfeitDetectionApplication>

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

- Co-developer, I particularly developed the Non-Preemptive Priority CPU Scheduling Algorithm.
- Javascript, HTML, and CSS are utilized for the development of Frontend and Backend.
- Github Repository: <https://github.com/SalangsangJohnPatrick/JavaScript-Skimata>

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

- A web application created in Flask framework, HTML, CSS, and Javascript for Frontend, and Python for Backend.
- Github Repository: <https://github.com/SalangsangJohnPatrick/Flask-SystemAnalyser>

Gaming Equipment Rental Computer Application using JavaFX for GUI

- A Java project with CRUD operation, was made using Apache Netbeans IDE, SceneBuilder, JavaFX, and the database of this project is in XAMPP using MySQL.
- Github Repository: <https://github.com/SalangsangJohnPatrick/JavaFX-GamingEquipmentRental>

HAUthentiCred: An Ethereum-Based Academic Credential Storage

- Co-developer, particularly in the creation of smart contract using Solidity and Remix Ethereum IDE.
 - To integrate the smart contract in web application, NodeJS and Web3.js was utilized.
 - Github Repository: <https://github.com/SalangsangJohnPatrick/JavaScript-HAUthentiCred>
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SKILLS

- **Technical:** Programming, UI/UX Design, Machine Learning, Data Analysis, Academic Writing
Database Management, Cloud Computing, Version Control, Web and App Development
- **Interpersonal:** Collaborative, Analytical, Communication, Adaptive, Leadership
- **Programming Languages:** Python, Javascript, HTML, CSS, Dart, Java, SQL, Solidity
- **Frameworks and Technologies:** Flutter, NodeJS, Flask, JavaFX, Git, MySQL

EDUCATION

Bachelor of Science in Computer Science

Holy Angel University

2021 - Present

President's Lister | Dean's Lister

Humanities and Social Sciences (SHS)

Pampanga High School

2019 - 2021

With High Honors

CERTIFICATIONS

AWS Academy Cloud Foundations

Amazon Web Services

2024

CyberOps Associate

Cisco Networking Academy

2024

CCNAv7: Introduction to Networks

Cisco Networking Academy

2024

Introduction to IoT

Cisco Networking Academy

2021

Introduction to Cybersecurity

Cisco Networking Academy

2021

REFERENCES

Dr. Everly M. Chua

Professor | Thesis Adviser

echua@hau.edu.ph

Ms. Ma. Louella M. Salenga

Program Chairperson

mlsalenga@hau.edu.ph