



# JOSHUA DIA

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## SUMMARY

Computer Science student specializing in Digital Forensics, with hands-on experience in full-stack web development, data analysis, and systems administration. Skilled in the MERN stack and proficient in various programming languages, with a strong focus on problem-solving, detail orientation, and time management. . Eager to apply technical expertise and analytical skills in a dynamic work environment.

## PROJECTS

### E-commerce Web Application (MERN Stack)

- Developed a full-stack e-commerce web application using MongoDB, Express.js, React, and Node.js. Deployed on Render, integrating payment processing and user authentication for a complete shopping experience.

### Data Analysis Project

- Created data visualizations and analysis reports using Python libraries such as Pandas, Matplotlib, and NumPy. Produced charts and graphs for data-driven insights, utilizing Power BI for additional interactive dashboards

### Pesosense: Philippine Money Identifier

- Trained a dataset of Philippine peso bill images using TensorFlow to develop a real-time currency recognition model.

### Art Gallery Web Application

- Art gallery website using HTML, CSS, JavaScript, PHP, and SQL to showcase and categorize artwork. Implemented a robust database for image storage and retrieval.

### New Tech Pest Control Record Keeping System

- Helped build the front end using React and Tailwind CSS. Worked on creating a responsive and user-friendly interface to streamline record management, ensuring a seamless experience for our client.

### ClickSmart (AI-Chatbot Supported Cybercrime Awareness Website)

- Developed a cybercrime awareness website with an AI chatbot using Python and TensorFlow, fine-tuning a GPT-2 model with a custom dataset on Philippine cyber laws for accurate responses.

### Facial Recognition System

- Built a facial recognition system using TensorFlow to identify faces, training the model with personal data for real-time identification.

## EDUCATION

### Bachelor of Science in Computer Science with Specialization in Digital Forensics

National University - Manila

August 2021- September 2025

## RELEVANT SKILLS

- Full-Stack Development (MERN), API Development & Integration, Version Control: Git and GitHub, AI/ML
- Systems Administration: Experience managing user accounts and administrative tasks on Windows

## PROGRAMMING LANGUAGES

- (MERN) React JS, Express JS, Node JS, MongoDB
- Java
- Python
- PHP
- JavaScript
- HTML & CSS
- .NET Framework

## CERTIFICATIONS

- TOEIC Certification: Achieved a TOEIC score of 850 (Listening: 420, Reading: 430)