

# Mark Denzel J. Permison

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## EDUCATION

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### University of Perpetual Help System DALTA – Molino

Bachelor of Science in Computer Science

Bacoor, Cavite

Expected May 2026

Specialization: Data Science

Relevant Coursework: Data Structures and Algorithms, Database Systems, Software Development, Web Development, Machine Learning, Data Mining, Python Programming

## UNIVERSITY PROJECTS

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### TORTOL – IoT Flood Monitoring & Early Warning System

Nov 2025

Group Thesis Project

- Designed and developed IoT sensor nodes, implementing end-to-end data flow from sensors → central hub → cloud server
- Built and integrated the central hub communication logic for real-time flood data transmission
- Designed and developed the web-based monitoring dashboard for real-time visualization and system status tracking
- Conducted quality assurance and system testing to ensure reliability, accuracy, and stability of the platform
- Technologies: ESP32, IoT Sensors, Wireless Communication, React.js, Python, Cloud Backend

### SmartBites – AI-Powered Healthy Meal App

Apr 2025

Group Project

- Designed the mobile application architecture and overall UI/UX
- Developed the frontend components of the mobile application, focusing on usability and clean design
- Contributed to backend development to support application functionality
- Participated in testing and refinement to improve user experience
- Technologies: Expo, React.js, Python

## Certifications

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### Introduction to Cybersecurity, Cisco

Nov 2024

- Gained foundational knowledge of cybersecurity, including threat detection, defense, and the impact of cyber threats on industries

### IT Specialist – Python, Certiport, a Pearson VUE business

Dec 2024

- Demonstrates ability to write, debug, and apply Python code to solve problems logically

### CompTIA Cloud Essentials+, CompTIA

Jan 2023

- Gained knowledge of cloud technologies, deployment models, and business impact analysis

## Technical Skills

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**Programming & Web:** Python, PHP, SQL, HTML, CSS, JavaScript, React.js

**Database & Data Science:** MySQL, Data Analysis

**Tools & Platforms:** Git, Cloud Platforms, IoT basics, VS Code