

# James D. Bacus

bacusjames.jdb@gmail.com | linkedin.com/in/bacus-james-jdb/ | github.com/jamesvstheworld | jamesvstheworld.vercel.app | (+63) 945-164-5665

## Education

### Cavite State University - Imus Campus

BS Computer Science

Imus City, Cavite

September 2021 - July 2025

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Web Development, Human Computer Interaction, Database Management Systems, Software Engineering, Networks and Communication, Digital Logic Design.

## Work Experience

### Manila Tytana Colleges

IT Support Intern

Pasay City, Metro Manila

August 2024 - February 2025

- Supported faculty and staff members with day-to-day technical requests, enabling uninterrupted teaching and operations.
- Supported network operations including LAN cabling, router configuration, and server room connections.
- Developed confidence in diagnosing network issues, progressing from guided assistance to independent problem-solving.

## Projects

### Web Application Muscle Injury Risk Predictor

Team Lead

Imus, Cavite

November 2024 - May 2025

- Built a full-stack web application to predict muscle injury risk from EMG signals, integrating a Next.js frontend with a Django backend for real-time accessibility and usability.
- Designed and implemented a Python ML pipeline leveraging Scikit-Learn, Pandas, and NumPy.
- Trained and evaluated predictive models using Random Forest and Gradient Boosting, optimizing for accuracy and robustness.

### Java Clothing Line Ordering System

Developer

Imus, Cavite

March 2024 - May 2024

- Developed a desktop-based ordering and inventory management system using Java Swing for the user interface and SQLite for data storage and retrieval.
- Utilized CRUD operations to efficiently manage product, order, and customer data within the system.
- Implemented core business logic including order processing, inventory tracking, and customer management.

## Certificates

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate (Oracle)
- Introduction to Software Development (LinkedIn)
- CS50 Introduction to Programming with Python (Harvard/edX)
- Discrete Structures (Saylor Academy)

## Skills

- Languages:** Java, Python, JavaScript, TypeScript, SQL.
- Technologies and Tools:** Unity (C#), ReactJS, Next.JS, Java Swing, Pandas, Scikit-Learn, PostgreSQL, MySQL, Django, Oracle, Git/Github.
- Multimedia Tools:** Adobe Photoshop, Adobe Animate, Adobe Premiere, Figma.