

# **Denzel Anjelo D. Concepcion**

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## **Education**

### **Technological Institute of the Philippines**

BS in Computer Science, Specialization in Data Science, GPA: 1.62

Quezon City

June 2021 - May 2025

**Relevant Coursework:** Software Engineering, Data Structures & Algorithms, Data Science

**Awards and Honors:** President's Lister (2022-2023), Dean's Lister (Multiple Semesters, 2022–2025)

## **Technical Skills**

**Programming:** C++, Python, Java, HTML & CSS, JavaScript, PHP, C#

**Frameworks/Tools:** Flask, React.js, Bootstrap, Git & GitHub, Visual Studio Code

**Databases:** MySQL, SQL

**Design:** Figma, Canva

**Others:** Microsoft Excel

## **Projects**

### **Facial Skin Recommendation System | Python, Flask, Javascript**

- Developed a web application for real-time facial skin analysis using webcam input and machine learning models.
- Trained an EfficientNetB2 model on 10,000 images to predict facial skin type with high accuracy.
- Achieved 87% accuracy and integrated a content-based recommendation for personalized skincare products.

### **Inventory & Sales Management System | Java, MySQL**

- Built a Java-based inventory and sales management system for printing supplies with real-time stock monitoring.
- Implemented automated low-stock alerts and a Naive Bayes algorithm for sales forecasting.
- Streamlined inventory tracking by reducing manual processes through database-driven automation.

### **Movie Sentiment & Topic Analysis | Python**

- Preprocessed and cleaned text datasets using Regular Expressions for consistent formatting.
- Performed sentiment analysis using NLTK and applied LDA for topic modeling to extract key themes.
- Visualized thematic relationships between movies using NetworkX for improved content insights.

## **Relevant Experience**

### **Software Quality Assurance Intern**

Pasig City

Tangent Solutions Inc.

February - April 2025

- Performed functional and regression testing on the company's POS application and web application to ensure stability and usability.
- Developed and executed basic automation scripts to reduce repetitive manual test cases using Python and Excel.
- Utilized Serial Port Utility for device communication and data validation during hardware integration testing.
- Collaborated with QA and development teams to log, track, and resolve bugs, ensuring compliance with SDLC and Agile methodologies.

## **Certifications**

- GitHub Foundations – DataCamp
- Introduction to Python -DataCamp

July 2025

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