

# GERALD JAMESON COSTALES

09615292544 | [costalesg4@gmail.com](mailto:costalesg4@gmail.com)

1 Lisbon St. Vista Verde North, Caloocan City

Portfolio: <https://portfolio-gerald.netlify.app/>



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## CAREER OBJECTIVES

Motivated and detail-oriented Information Technology graduate with hands-on experience in web and application development using **HTML5, CSS3, JavaScript, TypeScript, Angular, and Node.js**. Strong foundation in building responsive user interfaces, integrating APIs, working with cloud databases, and troubleshooting applications. Eager to grow as a Junior Developer and contribute to reliable, scalable, and user-focused software solutions.

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## EDUCATIONS

### Bachelor of Science in Information Technology

Our Lady of Fatima University

2021 - 2026

### Accountancy, Business and Management

Our Lady of Fatima University Senior  
High School

2019 - 2021

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## TECHNICAL SKILLS

### Front-End Development:

-HTML5,  
-CSS3,  
-Javascript(ES6+),  
-Typescript,  
-Angular

### Back-End Development:

-Node.js (REST API's - basic),  
-MongoDB Atlas,  
-Firebase Realtime Database

### Mobile & Other Technologies:

-Android Development (Java, Kotlin)  
-XML Layouts,  
-Hardware Integration(ESP32, Sensors)

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## PROJECTS

### AquaBite – Automated Smart Feeder with Data Analytics (*Capstone Project*)

**Java | Firebase | ESP32 | IoT**

- Developed a mobile application to monitor real-time sensor data (pH, temperature, turbidity).
- Integrated **ESP32** for Wi-Fi-based data transmission from hardware sensors.
- Implemented **Firebase Realtime Database** for live data storage and retrieval.
- Displayed analytics and system status through a user-friendly mobile interface.
- Gained experience in **hardware-software integration and troubleshooting**.

### Chirpabet – Educational Mobile Application

**Kotlin | Android | Text-to-Speech (TTS)**

- Built an interactive educational app for children featuring animals and sound recognition.
- Implemented Android **Text-to-Speech (TTS)** and audio playback features.
- Designed a simple and engaging UI focused on usability and accessibility.
- Strengthened skills in mobile UI design, event handling, and user interaction.