AGATHA MAY ESGUERRA
INFORMATION TECHNOLOGY

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OBJECTIVE

Aspiring IT professional with skills in web development (HTML, CSS, JavaScript/Vue, MySQL). Quick learner, effective communicator, and capable of working independently or in a team.

EDUCATION

Our Lady of Fatima University

McArthur Highway, Marulas, Valenzuela City   August 2020 – July 2022

With Honors

Polytechnic University of the Philippines

Sta. Mesa, Manila   September 2022 - Present

Diploma in Information Technology

Consistent President's Lister

CERTIFICATIONS AND TRAINING

TESDA – Computer Systems Servicing NCII   August 2023

TESDA – Programming in Java   September 2023

WORK EXPERIENCE

Software Developer Intern
Pixel8 Web Solutions and Development *(July 2024 – September 2024)*

• Assisted in the development of **web applications** using **Vue.js and PHP**.

• Developed and tested **REST APIs** for backend services, ensuring smooth communication between frontend and backend.

• Used **Insomnia** for API testing and **Codeception** for automated testing to improve system reliability.

• Worked on the **OBLAS Employee Management System**, CRUD operations, authentication, and role-based access.

• Collaborated with the development team to debug and troubleshoot issues, improving system efficiency.

PROJECTS

Project: OBLAS Employee Management System
Technologies: Vue.js, PHP, Insomnia, Codeception, MySQL

Description:

• Developed a **full-stack** employee management system using **Vue.js for the frontend** and **PHP for the backend**.

• Integrated **Insomnia** for API testing to verify proper request handling and response validation.

• Utilized **Codeception** for automated testing, ensuring high system reliability.

• Optimized the database using **MySQL**, ensuring fast query execution.

Project: Attendance Management System

Technologies: Python, Tkinter, MySQL

Description:

• **Desktop-based Attendance Management System** using **Python (Tkinter for GUI)** and **MySQL for data storage**.

• Implemented **CRUD functionalities**, allowing administrators to **add, update, delete employee attendance records**.

• Designed a **responsive GUI with Tkinter**, ensuring a user-friendly interface.

• Utilized **MySQL database** for storing and retrieving attendance data efficiently.

• Implemented **real-time attendance tracking and reporting features**.

SKILLS

TECHNICAL SKILLS:

Programming Languages: Java, JavaScript, PHP, Python

Web Development: HTML, CSS, Vue

Database Management: MySQL

Graphic Design and Wireframing: Figma, Canva, Adobe Photoshop

Word Processing: Microsoft 365

SOFT SKILLS:

Strong problem-solving and analytical skills

Excellent communication and teamwork abilities

Project management and organizational skills

Adaptability and continuous learning mindset