



# ALFONSO PUENTE

San Jose Del Monte Bulacan



09297665358

<https://itsmefonzy.vercel.app/>

<https://www.linkedin.com/in/alfonso-puente-279470337>

Alfonsopuente05@gmail.com

## Professional Summary

I'm a passionate computer science graduate with a full-stack background and a strong focus on AI and data science. I'm dedicated to staying relevant in this fast-evolving field through continuous learning and hands-on practice. With a disciplined and persistent mindset, I enjoy building intelligent systems, exploring machine learning models, and solving real-world problems through data-driven solutions.

## Key Skills

- **Data Analysis & EDA:** Proficient in analyzing large datasets, uncovering insights through exploratory data analysis (EDA), and preparing data for modeling.
- **SQL & NoSQL Databases:** Experience with both SQL and NoSQL databases, ensuring efficient data storage and retrieval for large datasets.
- **AI & Machine Learning Development:** Hands-on experience in building and training machine learning models—including generative AI and deep learning architectures—to automate data workflows, enhance quality, and drive intelligent decision-making.
- **Full-Stack Development:** Experience building scalable web applications using modern front-end frameworks (React, Next.js, Flutter) and robust back-end technologies (Node.js, .NET, PHP), with a focus on clean architecture and seamless user experience.
- **Cloud Solutions:** Exposure to cloud platforms (AWS, Google Cloud) for developing cloud-based data solutions and maintaining scalable data infrastructure.
- **Soft Skills:** Strong collaboration, problem-solving, and communication abilities, ensuring effective teamwork and project success.

## Technical Proficiencies

- **Languages:** Python, JavaScript, Dart, C#, Java
- **Data Science Tools:** Pandas, NumPy, Matplotlib, Pytorch, TensorFlow, Keras
- **Visualization:** Matplotlib, Plotly, Seaborn, PCA, t-SNE, UMAP, DBSCAN
- **Modeling:** Word2Vec, LSTM, Transformer, Autoencoders
- **Databases:** NoSQL, MySQL, PostgreSQL, GraphQL
- **Platforms:** Git, GitHub, Firebase, AWS, Google Cloud
- **Front-End:** HTML5, CSS3, React, Next.js, Flutter, Android Studio
- **Back-End:** Node.js, .NET, PHP, Express.js, Appwrite
- **Other:** AI Model Development, Prompt Engineering, Serverless Architectures

## Experience

### Data Science Intern | OPENIT ASIA INC. – PHILIPPINE BRANCH | Feb 2025 – Apr 2025

- Conducted **Exploratory Data Analysis (EDA)** on large-scale *time series datasets* to uncover *user behavior trends*.
- Performed **feature scaling, selection, and engineering** to optimize model performance.
- Designed a user behavior modeling pipeline using **Word2Vec** embeddings and **LSTM** for temporal pattern recognition.
- Visualized behavior clusters using **PCA, t-SNE, and UMAP** to validate model outputs and interpret user segmentation.
- Collaborated on *model selection, experimentation, and improvement* through iterative testing and evaluation.

### Freelance Software & Web Developer | Self-Employed | Ongoing

- Worked closely with clients to *understand project goals* and deliver tailored software or web solutions based on their unique requirements.
- Provided *guidance and support* throughout the development process to help clients refine their ideas and bring their vision to life.
- Maintained *clear communication, gathered feedback*, and iterated on solutions to ensure high-quality results and client satisfaction.

## Education

- **Bachelor of Science in Computer Science**  
STI San Jose Del Monte | June 2025

## Projects

### Edusync | School Data Management System | 2024

- Led both the research and development teams in building a scalable school management platform, aligning technical solutions with *Client's needs* and *institutional goals*.
- Designed and implemented a scalable platform using **React**, **Node.js**, and **Appwrite** to streamline school operations, focusing on efficient data collection, management, and reporting.
- Integrated an AI-enhanced scheduling system powered by **OpenAI** to automate timetable creation, addressing complex constraints and preferences to improve resource allocation.
- Optimized data pipelines to reduce scheduling conflicts, automate processing, and improve overall system efficiency, laying a strong foundation for data-driven decision-making.

### DesignGenius | AI-Powered Interior Redesign Platform | 2025

- Collaborated on a web-based platform that transforms user-submitted room images into redesigned versions based on selected room types and interior styles using AI-generated outputs via Replicate.
- Contributed to the integration of a visual product search feature that identifies similar furniture items through image analysis and web-based discovery tools.

### Orderscape | Online Ordering System | 2023

- Led the development team in building a responsive web application with a **PHP-MySQL backend**, optimizing real-time order tracking and improving communication between users and service providers, enhancing data flow and user satisfaction delivery and effective task delegation.
- Developed features for real-time order tracking and seamless communication between users and service providers to enhance user satisfaction.
- Designed the **Entity-Relationship Diagram (ERD)** and database structure to support efficient data management, ensuring seamless data integration and transformation.
- Streamlined data workflows by optimizing database queries, enhancing the efficiency of data processing and retrieval across the platform.

### EQMLS | Learning Management System | 2021

- Led the development and research team in building a robust Learning Management System (LMS) using the **.NET Framework** and **MVC architecture**, with a strong emphasis on data management and user experience.
- Coordinated *research* efforts to identify user needs, benchmark existing systems, and guide the system's architecture and feature set.
- Designed and implemented efficient database schemas for optimized data ingestion, retrieval, and ETL processes to enhance data integrity and scalability.

## Certifications & Online Credentials

- **IBM Data Science Professional Certificate (In Progress)** - Coursera
- **Intelligence Fundamentals** – IBM SkillsBuild
- **Data Fundamentals** – IBM SkillsBuild
- **Introduction to Data Science** – Cisco Networking Academy
- **Data Analytics Essentials** – Cisco Networking Academy
- **Understanding Machine Learning** – DataCamp
- **Python Essentials 1 & 2** – Cisco Networking Academy
- **Java Fundamentals** – Oracle Academy

## Seminars & Trainings Attended

- **Creating Responsible AI Solutions Using Azure AI Content Safety** – Styava.dev
- **Transform Your Career Path with AI and Data Science** – Xaltius
- **Positive Habits, I Have It** – STI College