Johnfil Initan

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EDUCATION

Bachelor of Science, Major in Computer Engineering   `Aug 2020 - Present`
University of San Carlos, Cebu, Philippines

SKILLS

Languages	C, Java, Python, Swift, PHP, HTML, CSS, JavaScript, TypeScript
Frontend	React, Next.js, Tailwind, Vue
Backend	Node.js, Django, Axios, Prisma, PostgreSQL
AI	TensorFlow, Keras, Pandas, NumPy, SciKit-Learn
Other	Git, Figma, Firebase

PROJECTS

Virgorus *React, Next.js, Supabase, Prisma, TailwindCSS, NextAuth, Axios*   https://virgorus.vercel.app/
A travels & tours website that dynamically loads tour packages with descriptions, itineraries, and other package details via API fetches. Admins can add, edit, and delete packages from the admin dashboard. Guests can book or make reservations via a booking form that sends an email to the touring agency.

EZ-FORMS *React, Next.js, Clerk, TailwindCSS, OpenAI API*   https://ez-forms.vercel.app/forms/form-1
A student activity forms generator for the University of San Carlos' Office of Student Affairs that speeds up the fill-up process. The website features CharmScript, a magic tool that leverages the OpenAI API to auto-generate suggestions for fields such as descriptions, objectives, agenda, and program flows.

DeepRosa *Python, SciKit-Learn, Matplot, Unity*   https://github.com/Liveir/DeepRosa
It is a Python-based desktop application for the experimentation and integration of clustering techniques such as k-means, hierarchical agglomerative, and affinity propagation, with Dijkstra's algorithm, forming a sorting algorithm that rapidly sorts a list of grocery items based on their physical distances with the goal of optimizing supermarket navigation. The application also allows users to graph and visualize performance data from an external grocery store simulator.

E-Plete *React, Next.js, PostgreSQL, Django, Kinde*
An RFID-based faring system with a unified database of transaction information for the University of San Carlos' shuttle system. The system interfaces three different devices that make RESTful calls to a PostgreSQL server via a Django-based API. A Python program locally store data from a serial-connected RFID-scanner and syncs the local data with the database once it receives LAN connection.

Pokedex *Swift*
Pokedex application for iOS based on the gadget from the Pokemon franchise. Retrieves data from the PokeAPI to display Pokemon information such as genus, flavor text, and typing. User can search for a specific Pokemon name, or show a random one.

Hotel Management System *PHP, Laravel, SQLite, Tailwind*
A lightweight hotel management system with both client presentation view and admin management side.

FitDaily *Java, JSwing*
Simple fitness application that contains guides and tips for each day of the week.