Rovalen Joy Calaguing

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SKILLS

Programming Languages: C++, Python, JavaScript, Dart, HTML
Software Frameworks: ReactJS, Flutter, Streamlit, Flask, Firebase (Authentication, Firestore Database)
Libraries Used: Axios, Recharts, Flask-CORS, Pandas, Sckit-learn, Joblib, OpenAI API
IDE: Visual Studio Code
Other Programming Tools: Git, API Integration (REST APIs, Open AI API)
Computer Software: Figma, MS Word, MS Excel

PROJECTS

Ischemic Heart Disease Prediction System   **Jan – Dec 2024**

- A web-based platform that utilizes ensemble machine learning techniques to assess patient susceptibility and risk levels to Ischemic Heart Disease (IHD)
- Developed using Python, JavaScript, ReactJS, Flask, and Firebase to provide accurate and accessible health risk assessments

Chefmate: A Culinary AI Assistant   **May – June 2024**

- A generative AI application designed to provide personalized recipe suggestions tailored to user preferences.
- Developed using Python, Streamlit for user interface, OpenAI's GPT-3.5-turbo API for inetligent recipe generation

Sentinelle: Sentiment Analysis Chatbot   **Apr – May 2024**

- A chatbot designed to interpret and respond to user inputs by evaluating the emotional tone behind the text.
- Developed using Flutter for the frontend and Python Flask coupled with the NLTK library for backend processing

Linkgenie: QR-Code Generator   **Apr – Dec 2023**

- A webapp that allows users to create customizable QR codes by entering URLs or text into a browser.
- Developed using Dart with Flutter framework and integrates API for backend processing

EDUCATION

Undergraduate

Bachelor of Science in Computer Science   **2021 – Present**
West Visayas State University – La Paz, Iloilo

- Silver Medalist Academic Excellence Awardee (2023-2024)
- Silver Medalist Academic Excellence Awardee (2022-2023)
- Gold Medalist Academic Excellence Awardee (2021-2022)

Senior High School

Science Technology Engineering and Mathematics (STEM)   **Graduated with Honors 2021**
Colegio de San Jose – Jaro, Iloilo

Junior High School

Special Curricular Program in Science, Technology and Engineering (SCPSTE)   **Completed with Honors 2019**
Leon National High School – Leon, Iloilo