Zoren's Portfolio

About Me

Hi, I'm Zoren, a passionate researcher, developer, and professor specializing in Artificial Intelligence and electronics engineering. With expertise in AI modeling, predictive analytics, and content generation, I build innovative solutions to address real-world problems. I hold a Bachelor's and Master's degree in Electronics Engineering and am currently a Ph.D. candidate in Electronics Engineering at Mapúa University in the Philippines.

I have authored and co-authored multiple research publications in international journals and conference proceedings, focusing on artificial intelligence and wireless sensor networks. I enjoy applying AI in diverse fields, from automating workflows to optimizing structural designs, while staying updated with the latest advancements in machine learning and AI frameworks.

Technology Stack

Python, Google BigQuery, SQL, TensorFlow, scikit-learn, PyTorch, Pandas, NumPy, GitHub, GPT Models, LangChain, HTML, CSS, Streamlit

Projects

Email Marketing Content Generator

Developed an AI tool that creates engaging, personalized email marketing content for e-commerce businesses that utilizes GPT-4. The app automatically generates email content based on the selected client, utilizing the client's business information from their website and additional data sources retrieved from the Google BigQuery database. The email style can also be tailored to the client's niche and user preferences for a more customized approach.

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Structural Steel Size and Type Predictor

Developed a predictive model to determine optimal steel types and sizes for sheds and structures. The model aims to automate the material selection and streamline the engineering design process, significantly improving efficiency and reducing design time.

Document Summarization App

Developed an application that summarizes lengthy documents such as research papers or business reports. The app helps users save up to 70% of the time typically spent on manual reading and summarization.

Grant Proposal Generator App

Built an application that generates various sections of government grant proposals using GPT models. The app extracts relevant information from websites provided by the user and allows the user to upload additional files in PDF, DOC, or PPT formats. These files are analyzed to generate accurate and tailored proposal content.

Contact

If you'd like to collaborate or learn more about my work, feel free to connect with me:

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