

AI Infused E-Commerce Website for Artisans

Mrs. G. Jeyasri¹, Nisanthan. S², Salman Farcy K A³, Shreeharan A⁴, Vignesh M⁵

Assistant Professor, Department of Information Technology¹

Students, B.Tech., Final Year, Department of Information Technology^{2,3,4,5}

Anjalai Ammal Mahalingam Engineering College, Thiruvapur, India

Abstract: *This paper describes a website based chatbot. This chatbot can make it easier to interact with the website. The bot understands and converses with the user in Simple Language. This chatbot is linked to an e-commerce website. This website has a variety of products with different features. The chatbot helps you to make a decision which product is suitable for you. This is especially helpful when you have not narrowed down the criteria for the product. Its functions basically like an online automated assistant. This paper presents a novel approach to e-commerce tailored specifically for artisans and craftspeople, integrating advanced artificial intelligence (AI) capabilities to create a seamless, personalized, and efficient marketplace. Our AI-infused e-commerce platform aims to bridge the gap between traditional craftsmanship and modern digital commerce, offering artisans a unique space to showcase their work and connect with a global audience. Key features of the platform include intelligent product recommendations, personalized marketing, automated inventory management, and AI-assisted customer support. By leveraging machine learning algorithms, we enable a dynamic user experience where customers receive tailored product suggestions based on their browsing and purchase history, leading to increased engagement and sales. The platform's AI-powered marketing tools help artisans optimize their reach through targeted campaigns and personalized content.*

Keywords: Large Language Model (llama2 model), Langchain and Streamlit