

Building a Web SaaS system for automatically generating Vietnamese subtitles from multilingual videos using artificial intelligence.

Duong Long Vu

Abstract: In the context of diverse information and widely popular multilingual videos, this topic focuses on building a Web-based Software as a Service (SaaS) system that automatically generates Vietnamese subtitles from existing videos. The project aims to develop a technological solution to enhance the efficiency and quality of services supporting learning, communication, and interaction between users and other languages. The research methodology includes needs analysis, algorithm design based on artificial intelligence (AI), and experimental system deployment. The expected outcome is an efficient, user-friendly system that provides significant value to the community, contributing to the practical application of AI in the field of natural language processing.

Keywords: Web SaaS system, artificial intelligence, automatic subtitles, multilingual video