

AIROBOT: CONVERSATIONAL-BASED USER INTERFACE DRIVING INDUSTRY & AGRICULTURE

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Abstract

In this article, we present the results of our research project, AIRobot, an innovative approach to integrating Artificial Intelligence (AI) and Natural Language Processing (NLP) across various sectors, including agriculture, industry, and services. The primary objective of our study is to streamline human-software interactions using natural language, thereby enhancing productivity and simplifying operations. In this article, we introduced a robust architecture and the essential components for implementing AIRobot, serving as a solid foundation for future applications in the agriculture, industry, and services sectors.

Keywords: NLP, conversational AI, personal assistant