Care AI

18 Feb, 2025

Care AI – Architecture Diagram

Watsonx AI

Watsonx Orchestrate

OPD Consultation

- **Web Scraping** (***Web Scrap Agent***) - Uses web scraping tools to extract relevant healthcare information.
- **Doctor Recommendation** (***Specialist Recommendation Agent***) - AI-based specialist recommendation system.
- **Appointment Scheduler & Communication** (***Appointment Scheduling Agent***) - Automates appointment booking and patient notifications.

LLM

Patient Admission

- **Patient Admission** (***Admission Agent***) - Automates patient onboarding and records management.

LLM

Billing

- **Billing Process** (***Billing Agent)*** - AI-driven billing automation for accurate and efficient invoicing. Also, it will help make the insurance settlement process easier.

LLM

Model : watsonx/meta-llama/llama-3-1-70b-instruct

High-Level Workflow

- User Interaction: Patients interact with the system via a web or mobile interface.
- AI Processing: Watsonx AI processes patient data and provides recommendations.
- Task Orchestration: Watsonx Orchestrate automates patient appointment confirmation emails and billing processes.
- System Integration: The system communicates with hospital management software for seamless operations.