

CaryoAI - Career Counseling AI Agent

◆ Project Overview

CaryoAI is a personalized AI-powered career counseling agent developed using IBM Watsonx's Agentic AI platform. It helps users make informed career decisions by offering tailored guidance, roadmaps, and resources based on their interests, current skill level, study time, and long-term goals.

◆ Tools and Technologies Used

- IBM Watsonx Agentic AI (Granite 3-3-8B Instruct model)
- IBM watsonx.ai Agent Builder
- Chat-based Testing and Interaction
- Google Slides/PowerPoint for Presentation
- GitHub for Project Repository

◆ Key Features

- Interactive and human-like guidance flow
- Support for multiple tech career domains (e.g., AI/ML, Web Development, Cyber Security)
- Personalized learning roadmap generation
- Follow-up question handling (projects, degrees, internships, etc.)
- Smart conditional messaging and user engagement

◆ How It Works

1. The user initiates the conversation.
2. The agent greets the user and asks about their career interest.
3. Based on the selected field, the agent gives an overview and its future scope.
4. It then asks for user's experience level, available time per day, and total time for learning.
5. Based on these, it generates a personalized learning plan.
6. The agent also handles follow-up queries and gracefully ends the session.

◆ Future Scope

- Expansion to non-tech domains like arts, law, and medicine
- Multilingual support for broader reach
- Voice-based input/output
- Integration with job/internship platforms
- Resume and portfolio builder
- Real-time learning reminders and tracking
- Analytics dashboard for institutions