



## Building Intelligent Automation Agents for Professional Services

The objective of this internship is to research, design, build, and evaluate intelligent automation agents using enterprise-grade tools.

Contact person: Samuel Vandecasteele

GSM: +32 494 36 18 98

Type: Internship

Location: Kontich (+ home office)

## Introduction



#### **Objective**

In this internship, you will explore the emerging field of **Agentic AI** and learn how intelligent agents can enhance automation capabilities in consultancy and professional services.

Agentic AI represents the next wave of enterprise AI systems: agents that plan, reason, and act autonomously within a set of business constraints. By combining advanced AI models with robust data pipelines and enterprise platforms, Agentic AI opens opportunities for improving workflows such as client onboarding, reporting, and project management. You will research, design, and implement your own intelligent automation agent tailored to consultancy use cases. This internship will provide hands-on experience with enterprise-grade AI platforms, data integration, and modern deployment patterns.

#### **Key Learning Areas:**

- Agentic Al frameworks (e.g., LangChain, Azure Al Foundry, IBM Watson).
- Vector databases and retrieval-augmented generation (RAG).
- Data pipelines integrating enterprise systems like Salesforce and Pipedrive.
- Enterprise-grade deployment patterns for AI automation.
- Documenting architecture, implementation choices, and business value for consultancy automation.

## Assignment Tasks



#### **Internship Assignment**

In this internship, you will explore the emerging field of Agentic AI and learn how intelligent agents can enhance automation capabilities in consultancy and professional services.

Agentic Al represents the next wave of enterprise Al systems: agents that plan, reason, and act autonomously within a set of business constraints. By combining advanced Al models with robust data pipelines and enterprise platforms, Agentic Al opens opportunities for improving workflows such as client onboarding, reporting, and project management.

You will research, design, and implement your own intelligent automation agent tailored to consultancy use cases. This internship will provide hands-on experience with enterprise-grade AI platforms, data integration, and modern deployment patterns.

#### **Deliverables**

- A research report on the enterprise use of Agentic AI and its automation potential.
- A Proof-of-Concept AI agent, deployed on at least two platforms.
- A working data pipeline ingesting enterprise system data into a vector database.
- Documentation of the architecture, implementation choices, and demonstrated business value.



# **Apply now**





#### Who should apply?

- You are a final-year IT/AI student eager to explore cutting-edge AI technologies.
- You have a strong interest in Al agents, automation, and enterprise platforms.
- You are an analytic thinker with the ability to reason abstractly and map technical solutions to business needs.
- You have knowledge of Python or JavaScript/TypeScript.
- You are familiar with (or motivated to learn) cloud platforms such as Azure, AWS, or IBM Watson.
- You are willing to work independently and apply DevOps and data integration principles.

# Interested in this internship?

### **Contact us!**

info@i8c.be +32 494 36 18 98 www.i8c.be