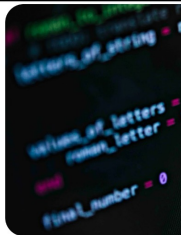# AI Bootcamp Career Copilot

Le Wagon Challenge
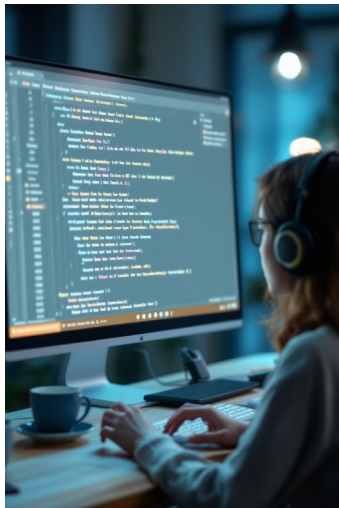**Lecturer**: Jeniffer Callou
**Date**: 23rd and 24th April 2025

# Overview

Le Wagon students begin their bootcamp journey with unique skills, past professional experiences, and career aspirations.

During the bootcamp day, students go through an intensive learning journey and face diverse challenges such as:

- managing intensive daily workloads
- connecting prior skills to new learnings
- planning their future career paths

# Challenge

Your challenge is to develop an AI-driven Career Copilot that supports them right from the beginning of their journey. Participants will develop solutions that address at least three key challenges students face during their bootcamp journey. For example:

### Manage intensive daily workloads

Create tools that help students to track their progress and manage large amount of new information easily

### Connect prior skills to new learning

Develop systems that provide personalized guidance for building technical proficiency

### Plan future career path

Design solutions that bridge the gap between bootcamp completion and employment

# Technology

An AI-powered solution leveraging the latest GenAI technology to enhance the personalized bootcamp experience.

The Application has modern AI technologies such as LLM to personalize learning paths and integrating relevant career-planning and progress features.

**Tech stack**:

- Python
- LLM of your choice
- AI Search / Semantic search capabilities
- Frontend
- Backend frameworks (any python framework recommended)

# Deliverables

In order to be able to assess your ideas and implementations, at the end of the hackathon we request you to deliver the following pieces:

**MVP**

**Presentation**

**Technical Documentation**

# Resources

To ensure participants are well-equipped, we will provide comprehensive resources and support during the Q-Hack. These activities will help teams understand the bootcamp experience, identify pain points and develop solutions.

### Guide on relevant technologies

Relevant technology as well as on bootcamp day scenarios and challenges

### Expert Mentorship Discussions

Guidance on best practices from a le wagon instructor

### Resource Access

Access to Le Wagon syllabus and real-world bootcamp learning scenarios

# Why This Challenge Matters

This challenge addresses critical needs in the bootcamp education space and offers significant benefits to students, educational institutions, and the broader tech industry.

### Addresses Real Student Challenges

Tackles the daily hurdles bootcamp students face, directly improving their learning experience and outcomes

### Enhances Educational Effectiveness

Strengthens Le Wagon's immersive, practice-oriented pedagogy through personalized AI support

### Showcases Practical AI Applications

Demonstrates valuable use cases relevant to both students and industry stakeholders at Q Summit