

Applied AI Bootcamp

Apply AI hands-on: build agents, vibe-coded apps and RAG solutions, no coding background required.

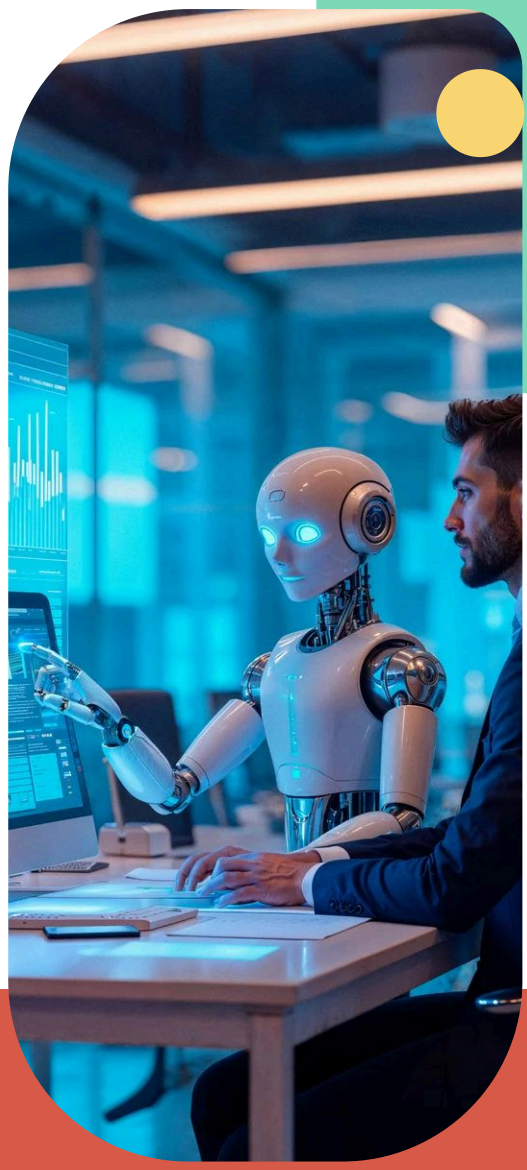
Bootcamp | B07
Level: Intermediate
Study load: 144 hours
Certificate of Completion

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WHAT YOU'LL LEARN

- Learn how to craft effective prompts and automate complex tasks using large language models.
- Build AI agents that connect to tools, APIs, and data sources using n8n.
- Understand how to design AI-powered workflows that reason, retrieve, and act autonomously.
- Develop a practical AI strategy aligned with business goals, including risk management and adoption planning.



TARGET AUDIENCE

Who is this for
Professionals who want to apply AI practically in their work — from prompt engineering to building AI agents.

Prerequisites
Prompting basics and some practical experience with prompting. Experience using LLM APIs. Some technical curiosity is helpful.

Roles after
AI Specialist · AI Champion · AI-savvy professional

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CURRICULUM

A03 — AI Fundamentals Course
The foundation course for every AI professional: understand AI, generative AI and prompting.

A29 — Vibe Coding with Lovable Course
Build working apps with AI — no coding experience required.

A02 — Building AI Agents Course
Automate complex workflows with AI — no deep coding required.

A26 — Retrieval-Augmented Generation (RAG) Course
Build AI that answers from your own knowledge base — accurately.

A24 — AI Literacy & Ethics Course
Understand AI deeply enough to lead — and question — it.

A54 — Final Assignment: Applied AI
Capstone: apply AI agents, vibe coding and RAG to a real, practical AI project.

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ASSESSMENT FRAMEWORK

- Assessment is competency-driven and rubric-based (NLQF level 6), with an independent examiner for every module.
- What you'll be assessed on:
  - A54 — Final Assignment: Applied AI
- Full method, rubrics and resit procedure: amsterdamdataacademy.com/examination-regulations



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AFTER THIS BOOTCAMP

> You'll build AI agents, vibe-coded applications and RAG solutions for your organisation, and apply them responsibly, without a heavy coding background.

OFFICIAL CERTIFICATE

> After completing the Applied AI Bootcamp you receive an official ADA Certificate of Completion. This bootcamp is part of ADA's NLQF level 6 accredited programme — the nationally recognised qualification framework equivalent to a bachelor's degree — recognised by employers across the Netherlands.

Ready for your next step?
Book a free study-advice call
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