



Ironhack certifies that

Joachim Jasmin

has successfully completed the

## AI Engineering course

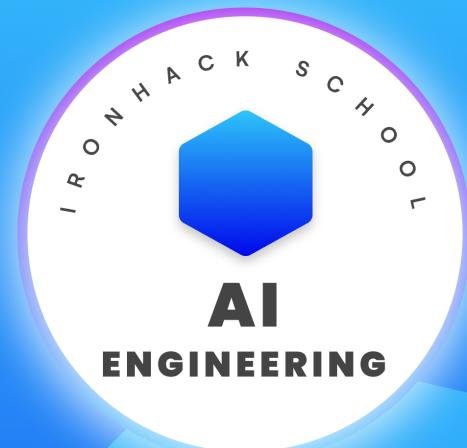
Helena Prat

General Manager • Ironhack



Gonzalo Manrique Sabaté

Co-founder & Co-CEO • Ironhack School Inc.



This certificate of completion signifies that the student has successfully completed the AI Engineering course.

This achievement includes the competent acquisition of industry-driven skills such as Python programming, data handling, machine learning, deep learning, natural language processing, generative AI-prompt engineering and large language model (LLM) fine-tuning and optimization. The student has demonstrated the ability to develop and deploy AI models, perform AI-powered data analysis and apply advanced NLP and search techniques. Additionally, they have successfully completed several hands-on projects, including three major capstone projects, applying their skills to solve real-world AI problems.