

7 Courses

Generative AI and LLMs: Architecture and Data Preparation

Gen AI Foundational Models for NLP & Language Understanding

Generative AI Language Modeling with Transformers

Generative AI Engineering and Fine-Tuning Transformers

Generative AI Advance Fine-Tuning for LLMs

Fundamentals of AI Agents Using RAG and LangChain

Project: Generative AI Applications with RAG and LangChain



May 1, 2025

Vanessa Diaz

has successfully completed the online, non-credit Specialization

Generative AI Engineering with LLMs

In this Specialization, learners developed essential knowledge and skills to perform tasks in an AI or NLP Engineer role. The Certificate holder has demonstrated a firm grasp and has practical experience of the various generative AI architectures and LLMs for developing NLP-based systems. They have demonstrated knowledge of tokenization, data loaders, transformers, attention mechanisms, and prompt engineering. They have gained experience in frameworks and LLMs, such as GPT and BERT. The Certificate holder can use PyTorch and the Hugging Face Transformers library to develop RAG applications such as a question-and-answering system. They can also use document loaders in LangChain to bring in information from various sources and prepare it for processing.

Joseph Santarcangelo,
Roodra Pratap Kanwar,
Fateme Akbari
Sina Nazeri, Kang
Wang, Ashutosh Sagar
Wojciech 'Victor' Fulmyk

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
https://coursera.org/verify/specialization/5XQROFZMJLTO