Switch - Agentic AI Bootcamp by BRIGHTWAY

BRIGHTWAY enables you to make the switch to the world of Agentic AI. The software world is changing fast. The modern engineer is no longer just writing features — they are designing intelligent systems, orchestrating AI agents, and building products that think, adapt, and act.

This program is built to help you develop exactly those abilities.

You will learn how to architect and implement AI-powered systems using Python and LangChain, but more importantly — you will gain the mindset and technical depth required to operate in the AI era. Instead of simply consuming APIs, you will understand how to design agentic workflows, integrate large language models into production systems, and build scalable, context-aware applications.

Throughout the program, you'll work hands-on with advanced concepts such as Retrieval-Augmented Generation (RAG), Model Context Protocol (MCP), embeddings, and prompt engineering — not as buzzwords, but as practical tools inside real-world architectures.

By the end of the program, you won't just "know AI."
You'll be able to:

- Design intelligent multi-agent systems
- Integrate LLMs into complex backend architectures
- Build context-aware, production-ready AI solutions
- Think like a system architect in an AI-first environment

This is how you move from being a traditional developer to becoming a modern AI-ready engineer — capable of leading innovation instead of chasing it.

Course Details

- **Duration:** Approximately 120 academic hours
- **Start Date:** May 10, 2026
- **Structure:** Two meetings per week
- **Capstone Project:** A practical project that will give you real experience to meet job-market requirements and advance you in hiring processes or in your current role.

Register now by clicking the link: https://prm-stg.bright-way.ac/link/VCuA0PQC

Condensed Syllabus

1. **Introduction to Python** and the development environment
2. **Fundamentals of LangChain**, working with ChatClient, sending prompts to LLMs such as Gemini, ChatGPT, DeepSeek, Claude, and processing the responses
3. **Prompt Engineering:** how to engineer prompts to obtain reliable answers from LLMs
4. Introduction to Embeddings and Integration with Vector Stores
5. Fundamentals of RAG, Hands-On RAG Implementation and RAG Optimization
6. Introduction to MCP and Tools

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Who Is This For?

Software developers who want to gain up-to-date industry experience, stand out in job interviews, and advance themselves in AI-based projects, ensuring that their skills remain relevant and in demand in the high-tech market.
Developers without a Python background will receive complimentary preparatory sessions as a registration gift, covering the Python fundamentals used throughout the program.

Admission Requirements

Previous software-development knowledge obtained in one of the following ways:

- A bachelor's degree in software development
    - A certificate in a technology area related to software
    - One year of practical experience

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Who We Are

At **BRIGHTWAY,** we help early-career and experienced engineers advance their careers through practical training, real-world projects, and international experience. Through personalized guidance, interview preparation, and exposure to professional work methodologies, we assist students in landing their first job, making a leap to the next role, or launching into entrepreneurship—all while upholding values of inclusivity, integrity, and collaboration.

Get to know us more—coming soon on our website: https://www.bright-way.ac

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