

AI Tools for Developers Short Course

40 · R14,995

AI isn't replacing senior developers — but developers who use AI effectively are replacing those who don't. This intensive course gives experienced developers the practical skill...

40

Hours of Training

R14,995

Course Fee

5 Days

Intensive Format

JHB · Online

Nationwide

COURSE CURRICULUM

What You'll Learn

The AI Engineering Landscape

How LLMs work at an engineer's level — tokens, context windows, temperature, sampling. Comparing ...

Prompt Engineering Fundamentals

System prompts, few-shot examples, chain-of-thought, structured output (JSON mode), role promptin...

Advanced Prompting Techniques

Tree-of-thought, self-consistency, retrieval-augmented prompting, constitutional AI patterns, and...

OpenAI API Integration

Chat completions, streaming responses, function calling (tool use), embeddings and semantic searc...

Anthropic Claude API Integration

The Messages API, multi-turn conversations, tool use, streaming and prompt caching. Comparing Cla...

GitHub Copilot in Practice

IDE integration (VS Code, JetBrains), autocomplete strategies, Copilot Chat for inline refactorin...

AI-Assisted Code Review & Refactoring

Using LLMs to generate, review and explain code. Prompting patterns for security review, test gen...

Agentic Coding with Claude Code

CLI-based agentic development: CLAUDE.md context files, custom slash commands, skills, and MCP (M...

RAG & AI Agents

Embedding-based retrieval, vector stores, building a simple RAG pipeline. Function-calling agents...

Evaluation, Safety & Capstone Project

Testing LLM outputs: evals, benchmarks, guardrails and hallucination mitigation. Capstone: build ...

