

Learn | Research | Innovate

COMPREHENSIVE GENERATIVE AI

Python
Foundation

Python for
Data & AI

LLM &
Prompt
Engineering

Safety,
Generative
Models & RAG

Multimodal &
Agentic AI

MCP &
Flagship
Capstone

TRAINING PARTNERS



OUR PRODUCTS



PYTHON PROGRAMMING FOR DATA SCIENCE & AI

LEVEL 1,2 : COURSE DURATION : 32hrs

- Module 01: Python Setup and Core Syntax
- Module 02: Control Flow and Functions
- Module 03: Python Data Structures
- Module 04: Files, Errors and Packaging
- Module 05: Object-Oriented Python
- Module 06: Data Analysis with NumPy, Pandas and Matplotlib
- Module 07: Python for APIs, CLI Tools and Testing
- Module 08: PyTorch Basics and Python Capstone
- Project : Security Log Analyzer CLI

- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 80% Practical 20% Theoretical
- ★ Software Toolkit
- ★ EBooks
- ★ Practical Forensics Labs
- ★ Certification



LLM & PROMPT ENGINEERING

LEVEL 3 : COURSE DURATION : 16hrs

- Module 01: LLM Fundamentals
- Module 02: Prompt Engineering Basics
- Module 03: Core Prompt Engineering Techniques
- Module 04: CLEAR Prompt Design Framework
- Module 05: Advanced Prompt Engineering
- Module 06: Introduction to AI Agents
- Module 07: AI Tools and Ecosystem
- Module 08: Local AI Models
- project milestone: Begin building a local LLM chatbot using Ollama, llama.cpp, and prompt templates.

AI SAFETY, GENERATIVE MODELS AND RAG

LEVEL 4 : COURSE DURATION : 16hrs

- Module 01: AI Safety and Responsible AI
- Module 02: Generative AI Concepts and Models
- Module 03: GANs — Generative Adversarial Networks
- Module 04: LLM and Chatbot Development
- Module 05: Retrieval-Augmented Generation (RAG)
- project milestone: Demonstrate the local LLM chatbot and develop document ingestion and retrieval capabilities.

- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 80% Practical 20% Theoretical
- ★ Software Toolkit
- ★ EBooks
- ★ Practical Forensics Labs
- ★ Certification

MULTIMODAL AI AND AGENTIC AI

LEVEL 5 : COURSE DURATION : 16hrs

- Module 01: Practical RAG Projects
- Module 02: Stable Diffusion and Image Generation
- Module 03: Image and Text Similarity Search
- Module 04: Smart Video Search System
- Module 05: Autoencoders and Variational Autoencoders
- Module 06: Introduction to AI Agents — Recap
- Module 07: Agentic AI Fundamentals
- Module 08: Building Your First AI Agent
- Module 09: Structured Outputs with Pydantic
- Module 10: Building a CLI Coding Agent
- project milestones: Policy-Document RAG Q&A, Multimodal and Video Search Engine, CLI Coding Agent

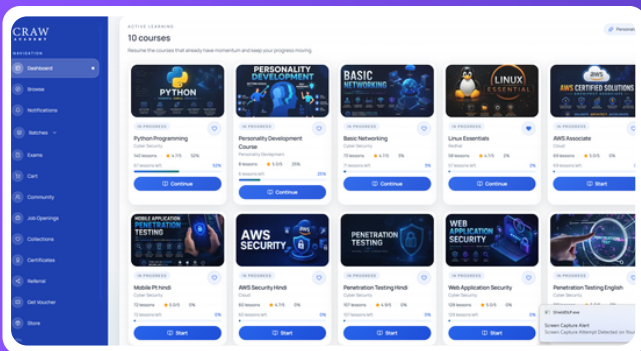
MCP, AI SECURITY AND CAPSTONE

LEVEL 6 : COURSE DURATION : 16hrs

- Module 01: MCP Fundamentals and Architecture
- Module 02: Building MCP Servers and Tools
- Module 03: MCP Security, Integrations and Capstone

- ★ Weekend / Weekdays Classes
- ★ Classroom / Online Training
- ★ Internship Opportunity
- ★ 80% Practical 20% Theoretical
- ★ Software Toolkit
- ★ EBooks
- ★ Practical Forensics Labs
- ★ Certification

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