



AI ENGINEER PROGRAM

Build AI Applications • AI Agents
RAG Systems • Autonomous Workflows



01

AI FOUNDATIONS & LLM DEVELOPMENT

- AI, ML & Generative AI
- Prompt Engineering
- GPT, Claude, Gemini
- Ollama
- Transformers



PROJECT 1: AI Website & Brochure Generator



02

AI APPLICATIONS & AGENTIC WORKFLOWS

- OpenAI API
- OpenRouter
- LiteLLM
- Gradio
- Tool Calling



PROJECT 2: Multimodal Customer Support Agent



03

OPEN SOURCE AI & HUGGING FACE

- Hugging Face
- Transformers
- Whisper
- Speech AI
- Google Colab



PROJECT 3: AI Meeting Minutes Generator



04

AI MODEL SELECTION & EVALUATION

- AI Benchmarking
- Model Evaluation
- AI Coding Assistants
- Performance Optimization



PROJECT 4: AI Code Optimization Engine



05

RAG & KNOWLEDGE SYSTEMS

- LangChain
- ChromaDB
- FAISS
- Semantic Search
- GraphRAG



PROJECT 5: Enterprise Knowledge Assistant



06

MACHINE LEARNING, FINE-TUNING & AI AGENTS

- PyTorch
- LoRA
- QLoRA
- Multi-Agent Systems
- Modal Deployment
- Web Scraping for AI Agents
- Playwright
- Firecrawl



PROJECT 6: Autonomous Multi-Agent Business Assistant