Cirvee

Artificial Intelligence (AI) – Level 2 (Advanced)

Duration: 3 Months (12 Weeks)
Mode: Physical & Virtual

Summary

Move beyond the basics and step into the world of advanced AI systems. This program teaches you how to build intelligent products — from chatbots and image recognition tools to generative AI models — using the same technologies powering the global tech industry.

Course Overview

Artificial Intelligence is growing faster than ever, and the world needs creators who can build, automate, and innovate using it. This advanced program is designed for learners who already understand AI fundamentals and are ready to push boundaries.

At Cirvee, we don't just teach algorithms — we teach you how to make them work for people, products, and impact. You'll learn to design deep learning models, train neural networks, and explore modern frameworks like TensorFlow, PyTorch, and Hugging Face.

You'll build real projects such as chatbots, generative tools, image recognition systems, and voice-enabled AI — projects that don't just test your skills, but show what's possible when creativity meets code.Each module is built around hands-on learning, using examples drawn from Nigerian and global industries. By the end of the program, you'll not only understand advanced AI concepts — you'll know how to deploy them, communicate their value, and shape the future of technology from wherever you are.

Modules Overview

01. **Advanced Python & Data Pipelines**
Build modular code, handle APIs, and manage large datasets efficiently.

02. **Advanced Machine Learning Techniques**
Implement ensemble models like Random Forest, XGBoost, and CatBoost.

03. **Deep Learning Architectures**
Master CNNs, RNNs, and Transformers through transfer learning

04. **Computer Vision (CV) Advanced**
Work with OpenCV to detect and classify objects in real images

05. **Natural Language Processing (NLP) Advanced**
Create summarization and entity recognition models using Hugging Face and SpaCy.

06. **Reinforcement Learning (RL) Basics**
Build basic RL environments with agents, rewards, and actions.

07. **Generative AI & Large Language Models (LLMs)**
Use GPT and open models for text and image generation projects.

08. **Chatbots & Voice AI Systems**
Design and deploy conversational bots for WhatsApp, Telegram, or websites.

09. **AI Deployment & MLOps**
Use Streamlit or Flask to deploy models and manage AI projects on GitHub.

10. **AI in Business & Industry**
Explore how AI transforms business processes and design AI-driven proposals.

11. **AI Ethics & Explainable AI (XAI)**
Understand fairness, bias, and model transparency using SHAP and LIME.

12. **Capstone Project & Industry Panel Defense**
Present and defend your end-to-end AI project before Cirvee's Industry Panel.

Career Opportunities

After this program, you can work as a:

Machine Learning Engineer	Deep Learning Specialist
AI Developer or Product Engineer	NLP / Chatbot Engineer
Computer Vision Expert	AI Research Assistant

Stay Cirvee Tip

"At this level, you're not just learning AI — you're shaping how the world will use it."

Contact Us

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