

# Career Gap Analysis Report

Professional Report: Skills Comparison and Learning Recommendation for AI Engineer Role in London 2026

Candidate Skills Summary (From CV "knowledge.pdf"):

- Python, PyTorch, TensorFlow, Scikit-learn
- Computer Vision (OpenCV, RAFT, CNN)
- REST APIs, FastAPI/Flask, Docker, Git
- AWS cloud services
- MLOps tooling, Experiment tracking
- Large Language Models (LLMs), Agentic AI, Retrieval-Augmented Generation (RAG)
- Data manipulation and visualization (Pandas, NumPy, Matplotlib)
- Backend experience in C#
- CI/CD fundamentals
- Strong focus on explainable AI, automation, model deployment, and production integration

Current Market Trends and Requirements for AI Engineer London 2026 (From Web Search):

- Proficiency in Python and machine learning frameworks like TensorFlow and PyTorch
- Strong knowledge of Large Language Models (LLM) including fine-tuning capabilities
- MLOps and system design skills for scalable AI deployment
- Understanding of AI security, governance, and production reliability
- Experience with generative AI, prompt engineering, and agent systems
- Ability to integrate AI models into cloud-native environments and microservices
- Familiarity with edge AI, computer vision, and multimodal AI systems gaining mainstream adoption
- Importance of portfolio projects, demonstrated deployment, and clear evaluation metrics

### Comparison:

The candidate possesses a robust set of technical skills aligned well with market demands including Python, PyTorch, TensorFlow, Scikit-learn, MLOps tools, LLMs, and cloud experience (AWS). The CV highlights expertise in explainable AI, production deployment, and AI-powered automation, which are critical trends. The candidate also has experience in agentic AI and RAG, which are highly relevant to emerging generative AI applications.

### Gap Analysis and Recommendation:

While the candidate has broad AI capabilities, the market trend strongly emphasizes advanced LLM fine-tuning, prompt engineering, AI security, governance, and edge AI as rapidly growing and differentiating skills.

### #1 Skill to Learn Next:

"Advanced Large Language Model (LLM) Fine-tuning and Prompt Engineering with a focus on scalable, secure deployment practices."

Mastering this skill will enhance the candidate's ability to build cutting-edge generative AI applications, improve model customize-ability for niche business needs, and meet the rising market demand for specialized AI model manipulation and deployment within secure and compliant production environments.

End of Report.