



Leveraging AI Expertise to Transform Industries



Oluchi Obinna



Introduction

- **Oluchi Obinna**
- **Aspiring Applied AI and Generative AI Specialist with Hands-on Azure AI Experience**

Experienced in developing, deploying, and refining generative AI models using Microsoft Azure AI Foundry, with practical skills in AI project management, model deployment, and ethical AI usage.



Generative AI with Azure AI Foundry Lab

- **Skills Gained:**
 - AI model deployment in Azure
 - Resource management (AI Hub, Key Vault, Storage)
 - Advanced prompt engineering and ethical AI usage
- **Challenge Overcome:** Precise configuration of deployed models for optimized chat interactions.
- **Lab:** Created and deployed generative AI models
- **Mastered:** Azure AI Hub, AI Services, Resource Groups, Key Vault, and Model Deployment
- **Learned:** Context engineering, secure deployment, AI prompt optimization

Case Study - AI in Government (Fraud Detection)

AI-Enhanced Fraud Detection

- Monitors transactions in real time
- Detects anomalies using machine learning
- Ensures secure data handling and compliance
- **Outcome learned:** Improved fraud prevention and faster response to suspicious activity

Applying Azure AI to Transform Industries

- **Public Sector:**

AI-driven fraud detection

- **Public Health:**

AI-powered mental health tools

- **Fashion Industry:**

AGI for design, manufacturing, and supply chain

- **Azure OpenAI** → Develop custom GPT-powered chatbots with carefully engineered prompts to detect distress cues
- **Azure AI Form Recognizer + Azure Cognitive Search** → Automate document analysis, cross-reference tax filings faster
- **Azure AI Machine Learning** → Deploy advanced models to detect suspicious financial patterns and Automate design recommendations and optimize production workflows
- **Azure AI Vision** → Analyze global fashion trends from images and social media

Let's Build the Future Together!

- GitHub Portfolio: [<https://github.com/108-olu/AI-Applications-Portfolio.git>]
- Contact: emmaobii32@gmail.com | LinkedIn: [www.linkedin.com/in/](https://www.linkedin.com/in/emmaobii32)
- Additional skills:
 - Operating Systems: Windows, Linux
 - Cloud Service: AWS
 - Languages: Python, SQL, C, HTML, Bash scripting
 - Containerization: Docker
 - Infrastructure as Code: Terraform, Cloud Formation
 - Database: Oracle Database, RDS
- Certifications: ArcGIS Desktop Entry (Foundational Skill)

