

IPSHITA GHOSH

+91-8405901462 | ipshitaghosh0@gmail.com | [linkedin.com/in/ipshitaghosh13](https://www.linkedin.com/in/ipshitaghosh13) | medium.com/ipshita | Ranchi, India

SUMMARY

Data Science professional specializing in Large Language Models (LLMs) and Generative AI, with hands-on experience and a deep understanding of retrieval-augmented services, vector databases, Semantic Kernel, AI Agents, MCP, model chaining, responsible AI, and red team testing—leveraging Azure OpenAI and Open Source LLMs.

EXPERIENCE

[ThirdEye Data](#) | Senior Data Scientist

Kolkata | Dec 2021 – Present

Microsoft, Redmond (WA) | DREAM Demos Program | Lead Developer, Azure OpenAI

As the lead Azure OpenAI Developer, delivered 4 innovative enterprise-grade MVPs and POCs in less than a year, to showcase latest technologies from Azure OpenAI Service:

- **Call Center Multi-Agent Solution:** Developed an agentic solution for call centers using a multi-agent framework. The system enables data manipulation, ticket raising, and product recommendations. Built with **Azure AI agents, Microsoft Autogen, GPT-4o and 4, Cosmos DB, Vector Embeddings, Azure Cognitive Search, and Azure speech services.**
- **Virtual Shopping Assistant:** Developed a virtual shopping assistant to recommend outfit ideas in response to user's multi-modal queries in text, speech and image format. Developed the solution using **Azure OpenAI GPT-4, Azure OpenAI GPT-4V, Semantic Kernel, Cosmos DB, Vector Embeddings, Azure Cognitive Search, Azure Text-to-Speech and Azure Speech-to-Text.**
- **Social Media Campaign Generator:** Developed an innovative tool to generate customized campaign content for social media platforms like Instagram. This tool uses a base product image to create unique visuals and compelling verbiage. The development leveraged **Azure OpenAI GPT-4, GPT-4V, Semantic Kernel, Azure AI Content Safety, and DALL-E 2.**
- **Enterprise Chatbot:** Developed an enterprise chatbot service illustrating the **Retrieval-Augmented Generation (RAG)** pattern with enterprise data utilizing **Azure AI Search and Azure OpenAI GPT 4** for chat and Q&A functionality and utilizing **Azure AI Content Safety** for implementing responsible AI.

EDUCATION

[Christ University](#) | Master of Science in Data Science

Bangalore, India | Aug 2020 – May 2022

[BIT Mesra](#) | Bachelor of Computer Application

Ranchi, India | July 2016 – Aug 2019

TECHNICAL SKILLS

Azure AI Agents, Autogen, Azure OpenAI, Semantic Kernel, DALL-E (2 & 3), Whisper, Python, Azure Machine Learning, Cosmos DB, TensorFlow, PyTorch, Scikit-learn, Steamlit, Chainlit, LLMs (Large Language Models), Deep Learning.

BUSINESS AND SOFT SKILLS

Problem-solving, critical thinking, attention to detail, rapid learning, communication skills, presentation skills, networking, collaboration and teamwork, mentoring, decision making, flexibility and adaptability, client relationship management, initiative and self-motivation.