



with the LangGraph framework, enabling seamless orchestration of multiple specialized agents for automated decision-making and data processing. This AI-driven architecture enables automated decision-making, real-time data extraction, and intelligent error handling, making the system highly adaptive and efficient.

**Mcp\_Agent\_fastapi** ([GitHub - DipanjanKuila/MCP\\_AGENT\\_FASTAPI](#))

Developed a modular AI-powered tool framework by integrating FastAPI with MCP (Modular Command Protocol). Converted multiple REST APIs into intelligent tools consumable by LLMs using `fastapi-mcp`. Enabled dynamic schema handling, memory-based chat interface with `MCPAgent`, and robust user data management via local JSON. Also demonstrated real-time interaction with a locally hosted MCP server.

**Rag\_Multi\_Ai\_Agent**([GitHub - DipanjanKuila/Multi\\_Ai\\_Agent](#))

- AI-based document question answering system integrating various sources. Implemented an AI-based question-answering agent with Langchain and Azure Open AI, supports document uploads and advanced question routing and integration with external sources like wikipedia and Arxiv to enrich responses.

**Automated\_Stock\_Report\_Analyzer**([GitHub - DipanjanKuila/Stock\\_analysis](#))

This project is an end-to-end automation system that reads financial PDFs uploaded to a Google Drive folder, analyzes them using Azure OpenAI model, and sends a detailed report to email.

**Convolution\_Neural\_Network** ([GitHub - DipanjanKuila/Convolutional-Neural-Network-](#) )

- Implementation of CNN for image classification using TensorFlow and Keras. Built and trained a Convolutional Neural Network CNN to classify images of cats and dogs with high accuracy.

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**ACHIEVEMENTS**

**Certificate of Appreciation from ITC Infotech**

(<https://drive.google.com/file/d/14DDHacHygoo2U5fSRM7TpRKanayOz3fj/view?usp=sharing>)

- Played a key role in building innovative GenAI products through expertise in LLM models and advanced AI techniques.
- Recognized for demonstrating responsibility, promptness, efficiency, and reliability in task execution Certificate ID ITCIUR7G452321, 31-12-2024.

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**Language**

- English, Hindi, Bengali

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**Education**

**Guru Nanak Institute Of Technology, Kolkata(2018-2022)**

- B. Tech in Electrical Engineering
- 8.20