

Dear Hiring Manager,

I am writing to express my strong interest in the **AI Engineer Intern** position within Singtel's **AIDA** unit. As a Data Science undergraduate at SLIIT with a CGPA of 3.65 and a practitioner actively building Agentic AI and RAG systems, I am thrilled by AIDA's mission to embed intelligence into the enterprise core. I am eager to bring my experience in "vibe coding" and rapid prototyping to your team to help scale Singtel's AI ambitions.

Your job description emphasizes the need for exploring **Agentic AI capabilities** and building **GenAI workflows**. This aligns perfectly with my recent technical focus. I have developed multiple projects leveraging **LangChain** and **OpenAI's GPT models** to create intelligent, autonomous agents:

- **Agentic AI & RAG Implementation:** I engineered a "Chat with Search" system using LangChain that integrates multiple search APIs (DuckDuckGo, Wikipedia, ArXiv) via an agent-based architecture. This required extensive prompt engineering and the implementation of callback handlers for streaming responses, skills directly applicable to the "prompt experimentation" mentioned in your role requirements.
- **Natural Language to SQL:** I built an intelligent agent capable of querying SQL databases through conversational English. By utilizing the SQLDatabase Toolkit and implementing error handling for result interpretation, I demonstrated the ability to create workflows that augment human capabilities by simplifying complex data interactions.
- **Scalable Deployment:** Beyond model creation, I have experience deploying these solutions as scalable microservices using **FastAPI** concept, ensuring that prototypes can evolve into robust applications.

I am particularly excited about the opportunity to support the "AI Avatar" and experiment with new frameworks at Singtel. My background in Python, TensorFlow, FastAPI and Streamlit, combined with a proactive learning mindset, positions me to effectively "vibe code" and iterate on new concepts quickly.

I am eager to contribute my energy and technical skills to the AIDA team and would welcome the opportunity to discuss how my background in Generative AI fits your internship program. Thank you for your time and consideration.

Sincerely,

Ahamed Huzaifa