

Bibliography

Books

1. Russell, S., & Norvig, P. (2020). *Artificial Intelligence: A Modern Approach*. 4th Edition. Pearson.
<https://www.amazon.com/Artificial-Intelligence-A-Modern-Approach/dp/0134610997>
2. Caelen, O., & Blete, M.-A. (2023). *Developing Apps with GPT-4 and ChatGPT: Build Intelligent Chatbots, Content Generators, and More*. 1st Edition. <https://www.amazon.com/Developing-Apps-GPT-4-ChatGPT-Intelligent/dp/1098152484>
3. Auffarth, B. (2023). *Generative AI with LangChain: Build large language model (LLM) apps with Python, ChatGPT and other LLMs*. <https://www.amazon.com/Generative-AI-LangChain-language-ChatGPT/dp/1835083463>
4. Lim, G. (2023). *LangChain Crash Course: Build OpenAI LLM powered Apps: Fast track to building OpenAI LLM powered Apps using Python*. Paperback. <https://www.amazon.com/LangChain-Crash-Course-OpenAI-powered/dp/B0CHL1FMC4>
5. Ozdemir, S. (2023). *Quick Start Guide to Large Language Models: Strategies and Best Practices for Using ChatGPT and Other LLMs*. 1st Edition. Addison-Wesley Data & Analytics Series.
<https://www.amazon.com/Quick-Start-Guide-Large-Language/dp/0138199191>

Academic Papers

- 1.
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Articles

1. Langchain (2024). *Definitive Guide to Testing LLM Applications*. AI Industry Reports. Available in the reports folder of the AI Agent Lab.
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Websites

1. LangChain. (2023). *Documentation for LangChain: Building Applications with Large Language Models (LLMs)*. <https://langchain.com/docs>
2. Docker. (2023). *Using Docker Compose for Multi-Container Applications*. <https://docs.docker.com/compose/>
3. QuestDB. (2023). *QuestDB Documentation*. <https://questdb.io/docs>
4. Code-Server. (2023). *Code-Server: Run VS Code in the Browser*. <https://coder.com/docs/code-server/latest>
5. Grafana. (2023). *Grafana Documentation*. <https://grafana.com/docs/grafana/latest/>

6. Streamlit. (2023). Streamlit Documentation: Create Interactive Web Apps with Python.
<https://streamlit.io/generative-ai/>

GitHub Repositories for AI Agent Lab

1. AI Agent Lab - LangChain Streamlit Agents. (2024). Repository for LangChain agents implemented as Streamlit apps. [Streamlit-agent](#)

Potential Sources for the Bibliography

Based on the project description, you likely need sources related to:

- **AI Agent Frameworks:** LangChain, agent-based architectures
- **Distributed AI Systems:** Tools, methodologies for scaling AI
- **Edge Computing for IoT:** Reference articles on this topic
- **Fault Tolerance and Performance Monitoring:** Papers or reports on building resilient AI systems
- **Technologies in the Docker Stack:** QuestDB, Grafana, Nginx, etc.

Keywords to Search:

- Distributed Artificial Intelligence (DAI)
- Multi-Agent Systems (MAS)
- Agent-Based Modeling (ABM)
- AI Infrastructure
- AI Agents
- Distributed AI Systems