7 MCP projects for AI Engineers:   
  
(with video tutorials)  
  
1️⃣ MCP meets Ollama  
  
- An MCP client is a component in an AI app (like Cursor) that establishes connections to external tools.   
-   
- Learn how to build it 100% locally.  
-   
- Full video walkthrough: [**https://lnkd.in/geMbsmN4**](https://lnkd.in/geMbsmN4)  
  
2️⃣ MCP-powered shared memory for Claude Desktop and Cursor  
  
- Devs use Claude Desktop and Cursor independently.  
  
- Learn how to add a knowledge graph-based common memory layer to cross-operate without losing context.  
  
- Full video walkthrough: [**https://lnkd.in/gfvubxJK**](https://lnkd.in/gfvubxJK)  
  
3️⃣ MCP-powered financial analyst  
  
- Build an MCP-powered AI agent that fetches, analyzes & generates insights on stock market trends, right from Cursor or Claude Desktop.  
  
- Full walkthrough: [**https://lnkd.in/gJ5VgmSF**](https://lnkd.in/gJ5VgmSF)  
  
4️⃣ A unified MCP server  
  
- This project builds an MCP server to query and chat with over 200+ data sources using natural language through a unified interface powered by MindsDB and Cursor IDE.  
  
- Full video walkthrough: [**https://lnkd.in/gAQtaSDj**](https://lnkd.in/gAQtaSDj)  
  
5️⃣ MCP-powered RAG over complex docs  
  
- Learn how to use MCP to power an RAG app over complex documents with tables, charts, images, complex layouts, and whatnot.  
  
- Full video walkthrough: [**https://lnkd.in/gi73EXfs**](https://lnkd.in/gi73EXfs)  
  
6️⃣ MCP-powered synthetic data generator  
  
- Learn how to build an MCP server that can generate any type of synthetic dataset. It uses Cursor as the MCP host and SDV to generate realistic tabular synthetic data.  
  
- Full walkthrough: [**https://lnkd.in/gSfrgitU**](https://lnkd.in/gSfrgitU)  
  
7️⃣ MCP-powered deep researcher  
  
- ChatGPT has a deep research feature. It helps you get detailed insights on any topic. Learn how you can build a 100% local alternative to it.  
  
- Full video walkthrough: [**https://lnkd.in/gWYdhwx5**](https://lnkd.in/gWYdhwx5)  
  
👉 Interested in ML/AI Engineering? Sign up for our newsletter for in-depth lessons and get a FREE eBook on MCP with 10+ projects and code: [**https://lnkd.in/gQ4T5\_7c**](https://lnkd.in/gQ4T5_7c)  
\_\_\_\_\_  
Share this with your network if you found this insightful ♻️  
Follow me ([**Akshay Pachaar**](https://www.linkedin.com/in/akshay-pachaar/)) for more insights and tutorials on AI and Machine Learning!

Activate to view larger image,

