What is this course?

Overview

Welcome to the **MCP Masterclass**! This course aims to transform you from a novice into an expert in building MCP (Model Context Protocol) servers and clients. We're focused on the **development** aspects rather than just using MCPs, equipping you to construct your own solutions from scratch.

Course Objectives

- **Understand MCP Architecture**: Dive deep into the structure and components of MCP, learning not just how to use it, but how to build with it.
- **Build MCP Servers and Clients**: We'll focus on constructing these using Python, but the knowledge is applicable across different programming languages.

Why Python?

- **Familiarity and Ease**: If you love Python, this course is especially tailored for you. However, the concepts you'll learn are transferable to other languages like JavaScript, TypeScript, or Go.
- **Comprehensive Approach**: Learn to use Python to explore all MCP aspects, from tools to protocols.

Course Features

- **Complete Guide**: A one-stop resource covering everything MCP-related. This course is comprehensive because MCP is evolving, and we want you to be well-prepared for future updates.
- **In-Depth Topics**: We'll cover:
  - Tools and resources
  - Transport protocols
  - Streamable HTTP vs. standard I/O
  - Authentication frameworks
  - And much more...

Course Outcome

By the end of this journey, you'll gain the skills:

- To build, publish, and host MCP servers and clients.
- To interact with AI systems and external applications using MCP.
- To navigate and adapt to the evolving MCP landscape as it grows beyond the current version zero.

Roadmap

Feel free to explore at your own pace. If certain sections, like the quick start or client deep dive, don't pique your interest initially, you can skip around. We'll delve into each of these in the next video, ensuring you have a rich, well-rounded learning experience.

Stay tuned for the next step in your MCP adventure!