

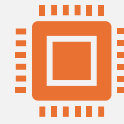


Intro to Model Context Protocol(MCP) in .Net

Praveen Raghuvanshi
@praveenraghuva



Introduction



Technical Architect @ Harman, A
Samsung Company



Area of Expertise : Building Cloud
Native applications



Area of Interest : AI/ML, LLMs, SDV



Location: Bangalore, India



Agenda



What is Model Context Protocol(MCP) ?


Why do we need MCP?

Architecture of MCP?


How MCP works ?

Integrate external MCP with Github Copilot

Building MCP server in C#



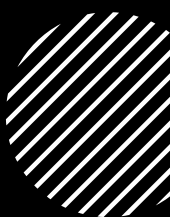
What is Model Context Protocol (MCP) ?



MCP is a standard protocol for connecting applications to Large Language Models (LLMs).



Think of it as a universal connector for AI applications.



Why MCP ?



Standardization: Provides a consistent way to connect AI models to data sources.



Integration: Enhances LLM capabilities by integrating with various tools and data.



Flexibility: Allows switching between different LLM providers.



Security: Ensures secure data handling.



MCP Architecture



Client-Server Model

MCP Hosts: Programs that want to access data through MCP.

MCP Clients: Maintain connections with servers.

MCP Servers: Expose specific capabilities through MCP.

How MCP works ?



Host requests data.



Client connects to the server.



Server provides the requested data.



Demo



Thank you –
Q & A



<https://in.linkedin.com/in/praveenraghuvanshi>



<https://github.com/praveenraghuvanshi>



[@praveenraghuvan](https://twitter.com/praveenraghuvan)



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Thank you

Q & A



<https://in.linkedin.com/in/praveenraghuvanshi>



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[@praveenraghuvan](#)



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