



# Building Personal Assistants with AI

Join the WhatsApp group for more updates: [\[LINK IN CHAT\]](#)

# About Me

IITD'19

Founder  
[buildfastwithai.com](http://buildfastwithai.com)

Ex- Social  
Entrepreneur



Data Scientist  
(Ex - Citi, CBA)

Exploring  
AI + Education

# What is “Build Fast with AI”?

**Enabling AI Ideas => Reality**

- **Consulting**
- **Workshops**
- **Courses!**

**[buildfastwithai.com](https://buildfastwithai.com)**

**Course Alert!**

# Crash Course on Generative AI

Transform Your Ideas into Real-World Applications with Generative AI  
Ready to elevate your dreams?

Register Now

[buildfastwithai.com/genai-course](https://buildfastwithai.com/genai-course)

# Ground Rules!

- Don't sit with a doubt
- Don't be afraid of **CODE!**
- Have fun!

**Today you will**



**learn to build AI Assistants**

# Agenda!

- What are AI Assistants?
- Tools
- Autonomous Agents
- Creating AI Assistants with Autogen

# What are AI Assistants?

An AI Assistant can be defined as a software entity that can perform tasks, make decisions, and interact with its environment autonomously.

(Google Definition)



# What are AI Assistants?

AI Assistants

=

Tools + Agents

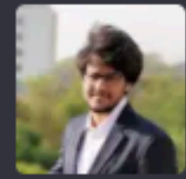
# Examples of AI Assistants

- Coding Assistant
- Stock Market Analyst
- GPT Researcher

# Limitations of LLMs

# What ChatGPT can do?

They have excellent language capabilities



Explain Israel-Palestine conflict



The Israel-Palestine conflict is a long-standing and deeply rooted political and territorial dispute between Israelis and Palestinians. It revolves around competing national aspirations and historical grievances, primarily concerning the territory known as historical Palestine, which includes present-day Israel, the West Bank, and the Gaza Strip. The conflict has its roots in the late 19th and early 20th centuries but has evolved and taken various forms over the years.

# But there's a problem

They don't have access to internet.....



What is happening in Israel-Palestine now?



As of my last knowledge update in September 2021, I don't have access to real-time information, and the situation in Israel-Palestine may have evolved significantly since then. However, I can provide some general information about the state of affairs as of that time.

# What LLMs can't do?

- Don't have access to internet
- Bad at Math
- Doesn't have voice
- Can't execute code
- ....

# Learning by doing!

Let's build an Internet Search "tool"

- GPT + Internet

# AI Agents

**AI Agents** are entities that interact with their environment, receive instructions or data, and make decisions based on context to achieve specific goals.

e.g. Product Manager Agent, Content Writer Agent, etc





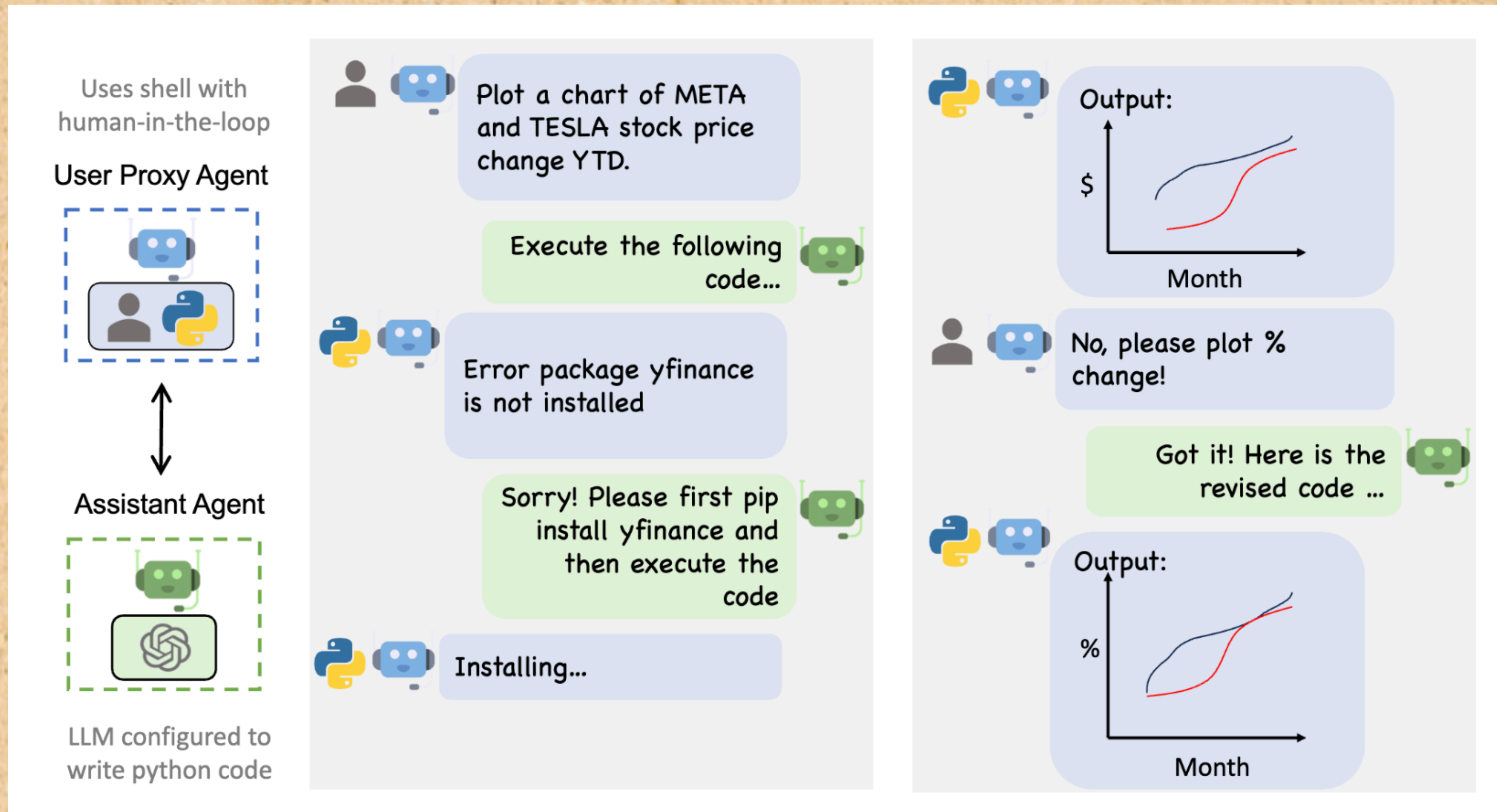
# AI Assistants

unlocking superpowers of LLMs

# Autogen by Microsoft

- AutoGen is a framework for developing LLM applications using multiple agents
- Agents can converse with each other to solve tasks.
- AutoGen agents are customizable, conversable, and seamlessly allow human participation.

# Autogen by Microsoft



# Learning by doing!

## AI Assistants

- Game Developer
- Stock Analyst

# Challenges, Challenges!

- How to access models?
- Getting external data to models
- Handling chat conversions (templates, memory)
- Storing the data
- Controlling the outputs



**I need your 2 minutes!**

**Starting on March 9th! (early bird!)**

# Crash Course on Generative AI

Transform Your Ideas into Real-World Applications with Generative AI  
Ready to elevate your dreams?

Register Now

[buildfastwithai.com/genai-course](https://buildfastwithai.com/genai-course)



# What will you learn?

Basics of  
Generative AI

Week 1

Building Chatbots  
&  
Chat with Data

Week 2

Create your own  
LLMs  
(Finetuning)

Week 3

AI Agents and  
Multimodal  
Models

Week 4

[buildfastwithai.com/genai-course](https://buildfastwithai.com/genai-course)

# Why should you take the course?

## App Showcase



[buildfastwithai.com/genai-course](https://buildfastwithai.com/genai-course)

# Connect on LinkedIn

[buildfastwithai.com/genai-course](https://buildfastwithai.com/genai-course)



## Satvik Paramkusham

Will help you build AI products! | IIT Delhi

Talks about #ai, #llm, #genai, and #education

Bengaluru, Karnataka, India · [Contact info](#)

# Crash Course on Generative AI

Transform Your Ideas into Real-World Applications with Generative AI  
Ready to elevate your dreams?

[Register Now](#)

# Join the WhatsApp Group

Link in the chat!

Get in touch!

✉ [satvik@buildfastwithai.com](mailto:satvik@buildfastwithai.com)

✉ [shivam@buildfastwithai.com](mailto:shivam@buildfastwithai.com)