A Hands-on Workshop on DEEPSEEK

Guided By :

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AGENDA

1- My Introduction
2- Introduction to DeepSeek
3- Deepseek Model
4- Project:1 → DeepSeek-R1 Bot Using Ollama
5- Practicle:2 → Deepseek integration using OpenRouter
6- Existing Generative AI video
7- Upcoming Training Programme
8- Q & A

MY INTRODUCTION

LinkedIn➔ https://www.linkedin.com/in/kodi-prakash-senapati-a95a60182/

Work Experience➔ 18Yrs

GEN AI EXPERIENCE.txt

Company➔

Mphasis, Genpact, Value Labs, Kroger IT, Kiabi

Teaching Experience➔ 10yrs

Corporate Trainer➔ Wipro, Infosys, IIT, Genpact

Leading Training Platform➔

IIIT Bangalore(Upgrade) Great Learning, Naresh IT

Internation Teaching Exp ➔ Synergistic IT

Placement ➔ 1k + student are placed successfully

DATA SCIENCE , DATA ANALYTICS

SUPERVISED LEARNING

MACHINE LEARNING

REGRESSION

CLASSIFICATION

CLUSTERING

UNSUPERVISED LEARNING

ARTIFICIAL ITELLIGENCE

NLP

DEEP LEARNING

NEURAL NETWORK

REINFORCEMENT LEARNING

GENERATIVE Artificial Intelligence

LLM MODELS

OPEN AI

GOOGLE

META

CLAUDE

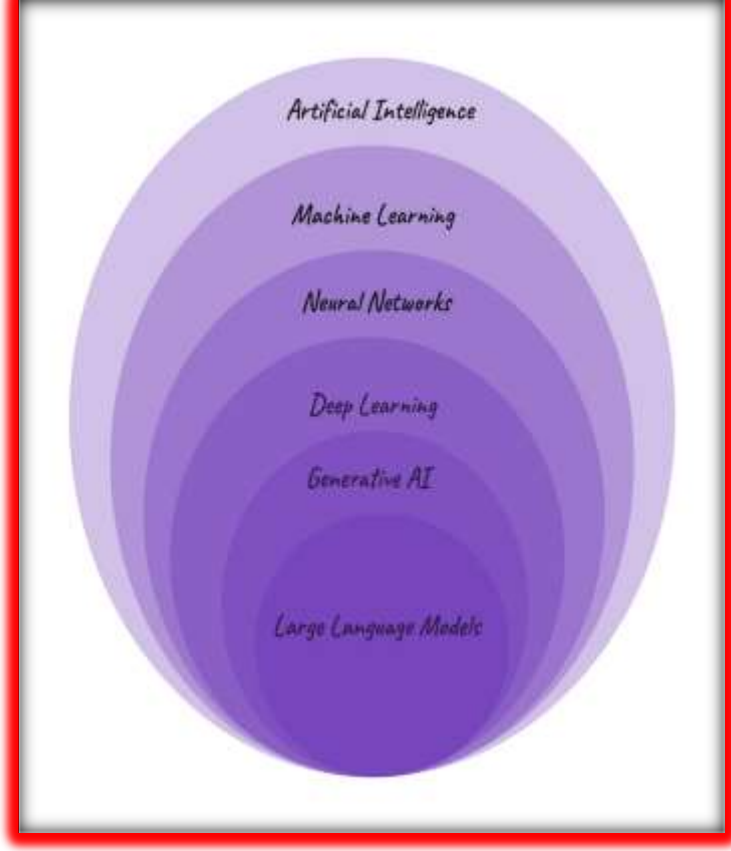
DEEPSEEK

AI AGENTS

CREW AI

SUPER AGI

Unfetch



What is DeepSeek ?

- **DeepSeek is an artificial intelligence company that develops open-source large language models founded in 2023.**
- **Deepseek is the part of High-Flyer's AI research unit. High-Flyer created DeepSeek in 2023 to focus on artificial general intelligence (AGI)**
- **Deepseek Implement Reinforcement learning technique which more focus to developing llms that achieve AGI(Artificial General Intelligence).**
- **Chipmaker company Nvidia lost nearly $600 billion in market value after introduce deepseek.**
- **Deepseek will more impactable on Trading ,stock market & other financial market.**
- **Deepseek is work similar like chatgpt. Chatgpt is paid application but deepseek is opensource.**
- **Refer the Below page link to more about founder →**

https://www.upexciseportal.in/who-is-liang-wenfeng-deepseek/

DEEP SEEK MODEL

DeepSeek V2 →

- https://github.com/deepseek-ai/DeepSeek-V2

DeepSeek V3 →

- https://github.com/deepseek-ai/DeepSeek-V3

DeepSeek VL2 → (Deepseek Vision-Language Model)

- https://github.com/deepseek-ai/DeepSeek-VL2

DeepSeek R1 →

- https://github.com/deepseek-ai/DeepSeek-R1

DeepSeek's flagship reasoning model, which performs on several math, coding, and reasoning benchmarks which built on V3, Alibaba's Qwen model and Meta's Llama model.

Project:1 → DeepSeek-R1 Bot Using Ollama

- Software Tool → Vs Code
- Programming Language → Python
- Frontend UI → Streamlit
- Frame Workd → LANGCHAIN
- Steps to build Deepseek Bot →

Download Deepseek : https://ollama.com/

Verify installation : ollama version

Check if DeepSeek-R1 is Available : ollama models list

Pull the DeepSeek-R1 Model: ollama pull deepseek-r1

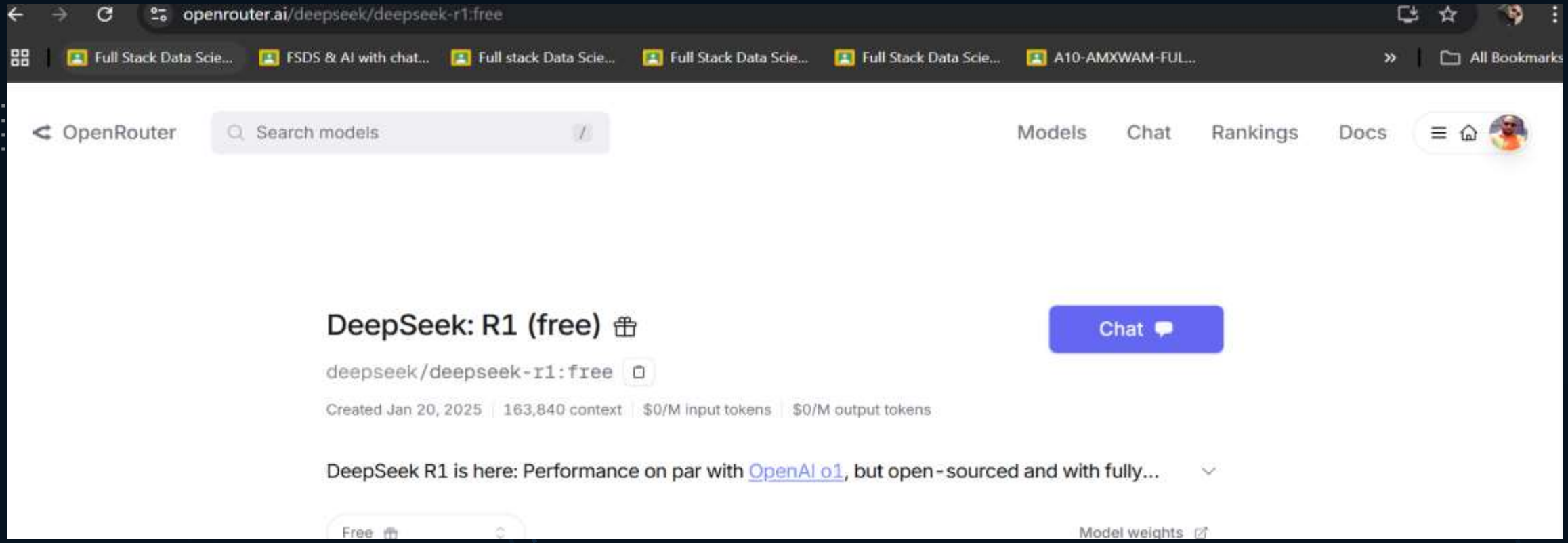
- Test the prompt by writing sample query
- Lets code together

Get up and running with large language models.

Run Llama 3.3, DeepSeek-R1, Phi-4, Mistral, Gemma 2, and other models, locally.

Download ↓

Available for macOS, Linux, and Windows



Project:2→ DeepSeek Integration using

- Software → Google Colab
- Signin to openrouter.ai → https://openrouter.ai/
- Search with → deepseek: R1 (free)
- Create Api KEY
- Refer to OpenAi-python code Documentation

GENERATIVE AI PREVIOUS RECORDING SESSION

- 1- ChatGPT Tutorial for Developers | Introduction to ChatGPT → youtube.com/watch?v=SDStCnlITT8
- 2- Generative AI Workshop → youtube.com/watch?v=Xp1MnygECUs
- 3- LARGE LANGUAGE MODEL → youtube.com/watch?v=v0w9LXXrsys
- 4- COMPLETE DATA SCIENCE LIBRARY → youtube.com/watch?v=MsFhUjFL4vE&t=209s
- 5- Know About Data Science & Generative AI→ youtube.com/watch?v=TR_OCx5z-m8
- 6- Generative AI with Langchain, Langsmith, OpenAI & LLMops → youtube.com/watch?v=MAkXifYHnuw&t=1320s
- 7- Google Generative AI | Gemini AI→ youtube.com/watch?v=BDrXdvNh19Q&t=5684s
- 8- Gen AI for Build LLM Model Using Lama 3,Hugging Face & Ollama : youtube.com/watch?v=eDN6fAWLNNE&t=5425s
- 9- GEMMA-9B Integration with GROQ, HUGGINGFACE & LANGCHAIN: youtube.com/watch?v=Bp1XyvMvedg&t=7086s
- 10- NLP: youtube.com/watch?v=s-xhKH-e8ig&t=5844s
- 11- RAG: www.youtube.com/watch?v=8nWjvn8ZKtU&t=7553s
- 12- CREW AI: https://www.youtube.com/watch?v=0gqIrw-6I0s
- 13- STABLE DIFFUSION : https://www.youtube.com/watch?v=c1GqJ-VFLW0
- 14- STATISTIC : https://www.youtube.com/watch?v=baJi1276DcU&t=1288s
- 15- why to choose fsds with Genai (llama 3.2 model) : https://www.youtube.com/watch?v=UqFerJculCw


Q & A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