



Shiva-Vishnu Temple

Om Namah Shivaya Om Namo Narayanaya

Hindu Community and Cultural Center

1232 Arrowhead Ave, Livermore, CA 94551

A Non-Profit Organization since 1977
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HCCC Youth & Education Presents Generative AI Training



Starting on Saturday, 27th January 2024

(8 to 10 Saturdays)

Time: 3 pm to 5 pm

Venue: **Online**

by **BOGA.AI** and **C3MentorTech** Teams

Suggested Donation: \$51

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Generative AI is the latest in Machine Intelligence Technology where you can develop systems that can learn from existing artifacts to generate new, realistic artifacts and can produce a variety of new content, such as images, video, music, speech, text, software code and product designs. It uses several techniques from a trained set of data using mathematical and statistical computing learning algorithms and commonly creates content in response to natural language requests.

This program is aimed at developing experts in Generative AI and participants can pursue new careers in this area. There will be some material/system access costs, which need to be taken care by the participants.

Pre-requisites: Review of Python Programming and Data Science (Links will be provided for registered participants)

Topics Covered in the Training Program:

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| 1. AI Context: GenAI | 6. Frameworks: LangChain, vLLM and etc.. |
| 2. Traditional AI Practice: MLOps | 7. Compression/Quantization: GPTQ, AWQ and etc.. |
| 3. GenAI Practice: LLMops | 8. Vector databases: PineCone, Faiss, Chroma, Vector Search and etc.. |
| 4. Foundational Models: Meta Llama 2, OpenAI GPT, Google PaLM 2 and etc.. | 9. GenAI Usage Architectures: IR & RAG |
| 5. Prompt Engineering: Prompt Design & Prompt Templates | 10. APIs: Fast, Flask & gRPC |
| | 11. Applications: UI & CLI |

Register to join: [Generative AI Training](#)

Event coordinators: Srikali Varanasi (510-506-3706)

Questions? Send Email to:

ec_youth_education@livermoretemple.org

Goutam Vedanthi, Youth & Education EC Chair (510-506-3713)



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