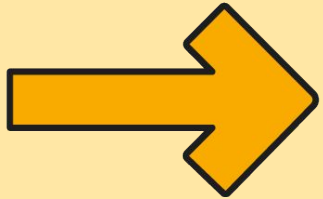
Google Developer Group
Chandigarh University

Gemini Study Jams

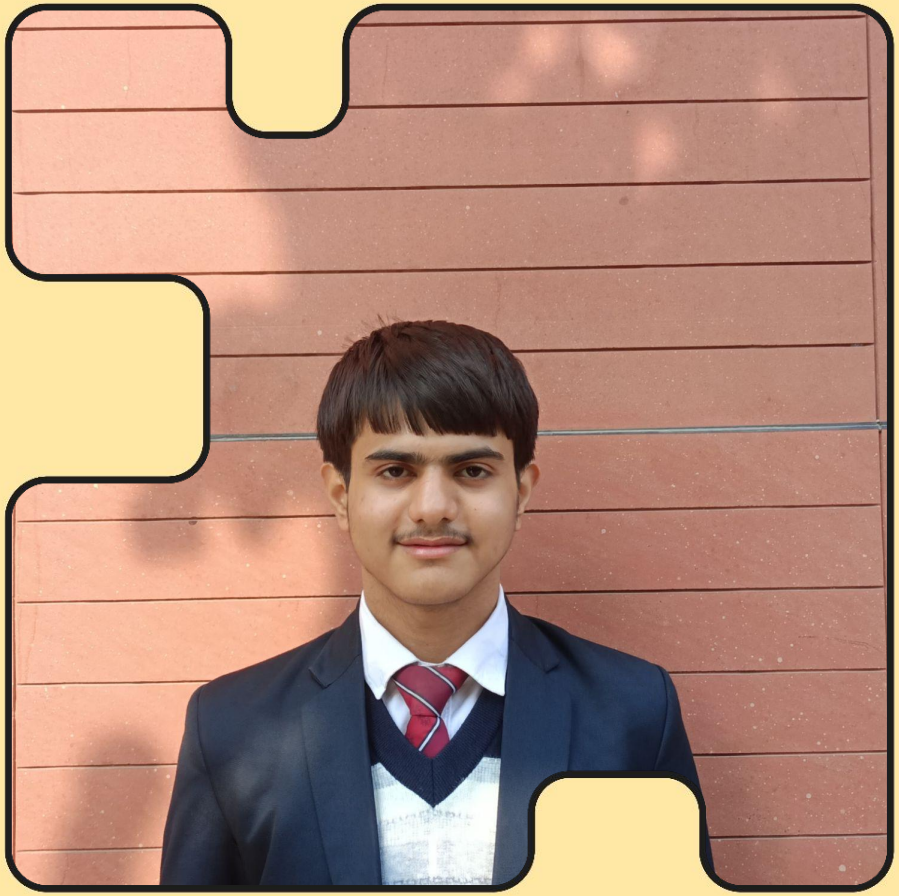
Introductory Session



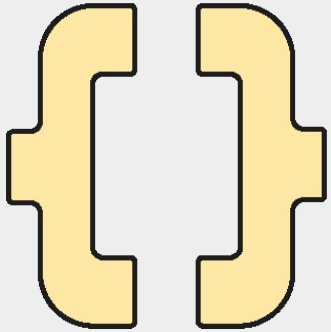
Google Developer Group

Who **am** I?
Anshu Sharma

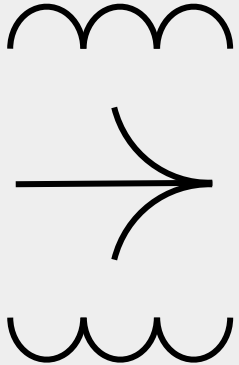
AI/ML Lead



What are Gemini Study Jams?



1. A Gemini Study Jam is a **collaborative learning event** where participants work through curated, self-paced tutorials and labs focused on the Gemini API and related generative AI tools.
2. Instead of a traditional lecture, this event provides a **supportive environment for members to gain hands-on experience** by building projects and earning verifiable skill badges.
3. The primary objective is **to empower the community with a tangible new skill** they can add to their resumes and portfolios.



Syllabus : Fine Tuning

Week 1

Supervised Fine-Tuning in Practice

- Supervised Fine-tuning for Gemini
- Supervised Fine-tuning with Gemini for Image Captioning

Week 2

Fine-tuning open models

- Gemma Fine-tuning
- Fine-tune Gemma models in Keras using LoRA
- Full Model Fine-Tune using Hugging Face Transformers

Week 3

Building & deploying AI Apps

- Build Apps with Gemini Code Assist
- Codelab- Agent Development Kit
- Machine Learning Operations (MLOps) for Generative AI
- Machine Learning Operations (MLOps) with Vertex AI: Model Evaluation

What to expect?

Learn New Skill.

Learn how to Fine Tune models!

Get Certified.

Collect badges as Certifications for your skill!

Engage With Community.

Meet and work along the community!

Hands-On Experience.

Fine tuning modes on your own!

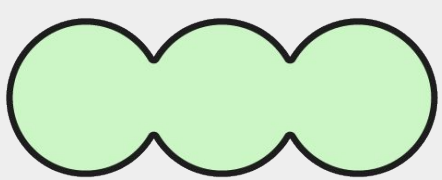
Goodies.

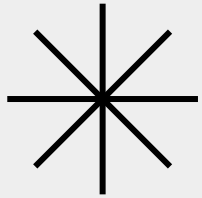
Guaranteed goodies for top performers and possibly more!

Our Aim.

1. Skill Development

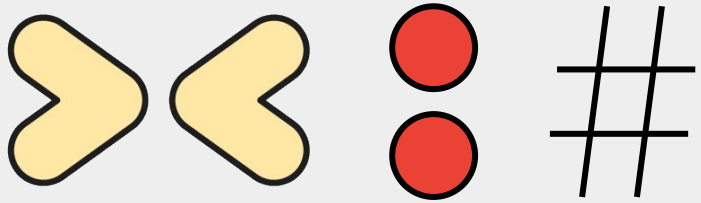
At the end of the Jams, every attendee is able to say that they have attained the skill of fine-tuning models.





2. Community Development

Build a supporting ML community that can help and assist each other.



3. Project Building

Build a portfolio ready project that demonstrates the skill of fine-tuning.

What I expect?

Basic Python.

You should be comfortable with basic python syntax

Commitment.

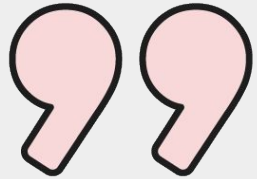
You are ready to put in effort and work through possible frustrations!

Respect.

For those around you. Collaborate and Engage respectfully!

A journey of a 1000 miles starts with the **first step**

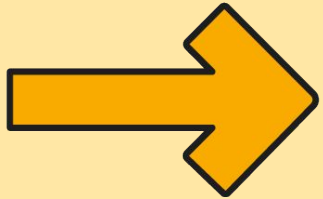
- Ancient Chinese Proverb



Doubts?

Ask away!

Google Developer Group
Chandigarh University

Thank You!

Introductory Session - End