program summary

Week	Mode	Theme
Week 1	Remote	Admissions + App Building Sprint
Week 2	Remote	LLM Fundamentals
Week 3	Remote	RAG + Vector DBs
Week 4	Remote/Onsite	Agents + LangChain
Week 5	Remote/Onsite	VibeCoding101 + MCP
Week 6	Onsite	LangGraph Workflows
Week 7	Onsite	AI-First Mobile Apps
Week 8	Onsite	Open Source Models
Week 9	Onsite	Demo Day 1 + Review
Week 10	Onsite	LLM Internals + Finetuning
Week 11	Onsite	Multimodal AI + Debugging
Week 12	Onsite	State of AI – Key Milestones
Week 13	Onsite	State of AI – Tooling & Infra
Week 14	Onsite	Final Capstone + Demo Day

MISOGI by masai

detailed curriculum

Week 1:

The Crucible (Admissions + Intensive Application Sprint)

- Get hands-on with Cursor, v0.dev, Lovable, Windsurf, and Replit
- Build your personal AI-first coding framework
- Clone enterprise apps and add AI features
- Evaluate for BengaluruHQ.

Week 2: Remote | 40-45 hrs/week

Getting Fluent with LLMs

- Deep dive into OpenAI APIs, prompt engineering, token handling, temperature control, and prompt injections
- Understand model behaviors.

Week 3: Remote | 40-45 hrs/week

RAG Systems & Reliable Pipelines

- Build RAG pipelines with GraphRAG and vector DBs
- Learn chunking, embeddings, semantic search, and evaluation metrics.

Week 4: Remote/Onsite (optional) | 80 hrs/week

Agentic AI + LangChain

- Master LangChain and agent architectures
- Use OpenAI Assistant API
- Integrate agents into earlier app clones.

Week 5: Remote/Onsite (optional) | 80 hrs/week

Application-Layer AI: VibeCoding101 + MCP + Real-World Setup

- Learn VibeCoding as the new way to build
- Set up MCP to manage agent workflows
- Configure AI agents for usability in real-world setups.

Week 6: Onsite | 80 hrs/week

AI App Workflows + LangGraph

- Master LangGraph for building robust multi-agent workflows
- Learn state transitions and build product sense for real-world users.

Week 7: Onsite | 80 hrs/week

AI-First Mobile Dev + CrewAI/Swarm

- Rebuild mobile-first AI apps on iOS/Android
- Learn CrewAI, Swarm, and multi-agent system design on mobile platforms.

Week 8: Onsite | 80 hrs/week

Open Source + Local Model Dev

- Work with HuggingFace, Ollama, and local LLMs
- Create RAG pipelines and perform semantic search using open-source tools.

Week 9: Onsite | 80 hrs/week

Mid-Capstone + Demo Day #1

- Build and showcase a mid-capstone app integrating multiple concepts
- Peer + mentor review in a formal demo day setup.

Week 10: Onsite | 80 hrs/week

LLM Internals & Finetuning Techniques

- Understand LLM internals, hallucinations, jailbreaking, and finetuning using PEFT, QLoRA, and LoRA
- Evaluate and train lightweight models.

Week 11: Onsite | 80 hrs/week

Advanced Debugging + Multimodality

- Debug LLMs, evaluate prompts, integrate images/audio into apps using GPT-4 Vision and Gemini
- Polish final projects.

Week 12: Onsite | 80 hrs/week

State of AI 1 – Major Shifts in AI Landscape

- Explore key shifts in AI: from GPT to Claude, LLaMA, Gemini, and open-source movements
- Analyze research papers, product launches, and innovation patterns from 2020–2025.

Week 13: Onsite | 80 hrs/week

State of AI 2 – Tooling, Agents, and Infrastructure

- Dive deep into advancements in AI tools, open-source agentic systems, RAG architectures, inference optimization, and the business of AI productization.

Week 14: Onsite | 80 hrs/week

Final Capstone + Misogi Demo Day

- Deliver your AI-first product with full-stack integration
- Present to industry experts, peers, mentors, and hiring partners.