



# India AI Program | 2nd Cohort

| Module                              | Lesson                                                       | What You Will Learn                                                                                                                                                                                                                                                                        | Tools Introduced (May be updated)                                                             | Outcomes                                                                                                                               |
|-------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Module 0:<br><b>Free AI Webinar</b> | Free AI Webinar:<br><b>AI-First Mindset &amp; Live Demos</b> | <ul style="list-style-type: none"><li>• AI-first mindset</li><li>• How AI is transforming the world (stages of AI development)</li><li>• Live AI demos: solving real-world problems</li><li>• Course overview &amp; Q&amp;A (structure, content, methodology, expected outcomes)</li></ul> | Conceptual frameworks (no hands-on tools); selected live demos and references to leading LLMs | <ul style="list-style-type: none"><li>• A clear understanding of what to expect from the course and why starting now matters</li></ul> |
| Module 1:<br><b>Intro</b>           | Lesson 1:<br><b>AI Fundamentals &amp; Safety</b>             | <ul style="list-style-type: none"><li>• What AI is and how it differs from traditional programming (AI models vs AI tools)</li><li>• How LLMs work: tokens,</li></ul>                                                                                                                      | Arena.ai (LMArena), LLMs (ChatGPT, Claude, Gemini, Grok...)                                   | <ul style="list-style-type: none"><li>• A real-world problem solved using a well-structured, effective prompt</li></ul>                |

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|----------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  |                                                              | <p>context window, and core concepts</p> <ul style="list-style-type: none"> <li>• Prompt Engineering: how to structure inputs for better results</li> <li>• Hallucinations, deepfakes, and safe AI usage</li> </ul>          |                                                                |                                                                                                                                                                                    |
|                                  | Lesson 2:<br><b>AI in 10 Real-Life Scenarios</b>             | <ul style="list-style-type: none"> <li>• Using multimodal AI with real examples: text, images, audio (text-to-speech, speech-to-text)</li> <li>• Combining tools: how to use specific AI tools for specific tasks</li> </ul> | ChatGPT, Claude, Gemini, Nano Banana, Whisper Flow, Oboe, Suno | <ul style="list-style-type: none"> <li>• A text-to-speech version of your favorite poem</li> <li>• A room design generated in your preferred style</li> </ul>                      |
| Module 2:<br><b>Augmentation</b> | Lesson 3:<br><b>Source-Based Content &amp; Deep Research</b> | <ul style="list-style-type: none"> <li>• Create new multimodal content (text, images, videos, podcasts, guides) using your own sources</li> <li>• Run deep</li> </ul>                                                        | Gemini, Claude, NotebookLM                                     | <ul style="list-style-type: none"> <li>• A podcast, video, mind map, quiz, and report created based on your own source materials</li> <li>• Deep research on a selected</li> </ul> |

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|--------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |                                                                             | <p>research across hundreds of sources in minutes</p> <ul style="list-style-type: none"> <li>• Turn research into infographics and multimedia content</li> </ul>                                                                           |                                               | <p>topic, presented with a clear infographic</p>                                                                                                                                   |
|        | <p>Lesson 4:<br/><b>Your First AI Project: Presentation &amp; Pitch</b></p> | <ul style="list-style-type: none"> <li>• Generate presentations instantly and adapt design/content to your audience (talks, reports, etc.)</li> <li>• Generate speeches by turning information into engaging narratives with AI</li> </ul> | <p>Gamma.app, Gemini, ChatGPT</p>             | <ul style="list-style-type: none"> <li>• A presentation tailored to your specific needs</li> <li>• A prepared speech for presenting your work to your intended audience</li> </ul> |
|        | <p>Lesson 5:<br/><b>Visuals Worth a Thousand Words</b></p>                  | <ul style="list-style-type: none"> <li>• Generate images (text-to-image, reference-based generation: style, object, composition, sketches)</li> <li>• Advanced Prompt</li> </ul>                                                           | <p>Nano Banana, ChatGPT, Grok, Higgsfield</p> | <ul style="list-style-type: none"> <li>• New images of yourself generated in different characters, styles, moods, and environments</li> <li>• Fully new images</li> </ul>          |

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|        |                                                                           | <p>Engineering for visuals: style, lighting, composition</p> <ul style="list-style-type: none"> <li>• Edit and enhance images (style transfer, restoration, pose changes, inpainting, adding text, etc.)</li> <li>• Pro techniques and hidden tricks (textures, lighting, angles, perspectives, styles, keywords)</li> </ul> |                                           | generated (e.g., redesigned rooms, historical figures, and similar use cases)                                               |
|        | <p>Lesson 6:<br/><b>AI Video Generation: Creating Your Own Videos</b></p> | <ul style="list-style-type: none"> <li>• Key steps for creating strong videos (script, framing, editing)</li> <li>• Video prompting techniques (Director Formula, JSON, Timestamping, and Negative Prompting)</li> <li>• Generate videos from text or reference</li> </ul>                                                   | Gemini, Nano Banana, Veo 3.1, Google Flow | <ul style="list-style-type: none"> <li>• A complete AI-generated video with its own story, characters, and voice</li> </ul> |

| Module | Lesson                                                                       | What You Will Learn                                                                                                                                                                                                                                                                                                                                                                                                            | Tools Introduced (May be updated) | Outcomes                                                                                                                                               |
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|        |                                                                              | <p>images, control start and end frames</p> <ul style="list-style-type: none"> <li>• Advanced details (shots, angles, camera movement, perspectives)</li> </ul>                                                                                                                                                                                                                                                                |                                   |                                                                                                                                                        |
|        | <p>Lesson 7:<br/><b>Landing Pages Without Being a Software Developer</b></p> | <ul style="list-style-type: none"> <li>• Understand main website concepts and terminology</li> <li>• Generate a full website using detailed prompts</li> <li>• Edit with AI and manually (layout, design, content, functionality)</li> <li>• Create and connect a domain, publish your website</li> <li>• Enable analytics (visitors, traffic sources, timing, and behavior)</li> <li>• Backend and database basics</li> </ul> | Lovable, Claude                   | <ul style="list-style-type: none"> <li>• A fully functional personal CV website that presents your profile and allows others to contact you</li> </ul> |

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|                                |                                        | (create backend for advanced functionality)                                                                                                                                                                                                                                                                    |                                   |                                                                                                                                                               |
| Module 3:<br><b>Automation</b> | Lesson 8:<br><b>Process Automation</b> | <ul style="list-style-type: none"> <li>• Traditional automation vs AI automation</li> <li>• Introduction to core tools through building an email assistant</li> <li>• Step-by-step creation of an automation that sends personalized emails via your website</li> <li>• Top tools for AI automation</li> </ul> | Make.com, Claude                  | <ul style="list-style-type: none"> <li>• An automation that sends personalized emails to people connected to you through your website</li> </ul>              |
|                                | Lesson 9:<br><b>Autonomous Agents</b>  | <ul style="list-style-type: none"> <li>• What agents are, how they work, and how they differ from automation</li> <li>• Build a personal agent that schedules meetings via your website</li> </ul>                                                                                                             | Make.com, Claude                  | <ul style="list-style-type: none"> <li>• A personal AI agent that schedules meetings with people who want to connect with you through your website</li> </ul> |

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|                           |                                               | <ul style="list-style-type: none"> <li>• Use Claude as an agent-building assistant without needing to build everything manually</li> </ul>                                                                                                                                                                                                                                                                                           |                                                                       |                                                                                                                   |
| Module 4:<br><b>Recap</b> | Lesson 10:<br><b>Recap of All the Modules</b> | <ul style="list-style-type: none"> <li>• The teacher presents the main modules and topics covered during the whole course</li> <li>• Participants share their insights through a Hindi/Hinglish peer-to-peer learning approach</li> <li>• An active Q&amp;A session regarding all the course modules and topics</li> <li>• A dedicated session for Keeping Up with AI, including recommended methods, tools, and channels</li> </ul> | Selected channels and resources on X, LinkedIn, YouTube, Reddit, etc. | <ul style="list-style-type: none"> <li>• A clear understanding of all the topics covered in the course</li> </ul> |