STARS Forum - AI Basics

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Congratulations on completing the DoNew workshop on AI for Social Sector at the STARS Forum. You are now ready to reimagine the way you create impact daily with the power of AI.

Read through this handout, click on links that interest you. Here is what this handout contains -

- Select articles and links to tools that will remind you of material covered during the workshop

Incorporate the concepts you have learnt as you define processes, products, platforms, business models in your line of work. Feel free to reach out to me in case you have any questions, I'm at rahul@godonew.com

And always remember - Think BIG. If anyone can pull it off, you can!

Select Links to Help Internalize Topics

Macro trends in AI

- 7 pillars of India AI [Link](#)
- Lessons from India's Digital Journey [Link](#)
- India's National Strategy for Artificial Intelligence [Link](#)
- The economic potential of generative AI: The next productivity frontier [Link](#)
- Scaling AI - Cost and Performance of AI at the Leading Edge [Link](#)
- Global IndiaAI summit 2024 report [Link](#)

Understanding AI basics

- AI basics
  - Predicting a word [Tutorial](#)
  - Vector space [Visualization](#) (see page 63)
- What is AI really
  - Next word guess concept
- 3 types of AI
  - Interpretative
  - Generative
  - Cognitive
- Use cases for AI
  - Text - Summary, reviewing with rubric, fetching from web, generating content/poems, translation;
  - Audio - Transcription, Translation, Real time conversation
  - Image - reading content, OCR, object recognition, emotion detection
  - Analytics - Analyzing spreadsheets, summarizing, visualizing
  - Multimodal - GPT4o teaching, operating computer

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AI demos and tools

- AI what's possible
  - Video generation with AI - [Rahul in Tamil](#)
  - GPT4o - [Teaching](#)
  - Sample data for analytics with GPT - [Marketing Campaign Kaggle](#)
- AI tools
  - APIs - [Cloudinary](#)
  - LLMs - [OpenAI](#) [Gemini](#) [Mistral](#) [Llama 3.1](#)
  - Indic AI products - [Sarvam](#), [Two.ai](#), [Haptik](#)
  - ImageGen - [Midjourney](#) [DallE](#)
  - Video gen - [HeyGen](#) [Runway](#)
  - Coding - [Windsurf](#), [Cursor](#)
  - Document interpretation - [NotebookLM](#)
  - Huggingface Transformers - [Huggingface](#)
  - Language Translation - [Whisper](#) [VOSK](#) [Bhashini](#)
  - OCR across 100+ languages Vic Paruchuri [SuryaOCR](#)
  - No code, low code Platforms - [AWS BedRock](#), [PartyRock](#)
  - Time series data analysis - [TimeGPT](#)

Practical considerations when deploying AI

- AI considerations (accuracy, privacy, latency, cost, licenses, hosting, sovereignty, training)
- What would work out of the box for India today and what won't
  - India model explorer [Bhashini](#)
  - Benchmarks [Vellum 2024 Leaderboard](#), [Indic MILU](#)
- How much would it cost and how much time would it take
  - How India is improving AI - [Indic voices data](#), [Bhashadaan crowdsourcing](#),
- What use cases to pick and simplest way of getting started