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LLM. (LARCYP LANGUAUTE MODELS) are Subset of deep learning
* LIM models refers to large, general-purpose language model that can be pre trained and the fine tuned for Specific purpose o
are trained to solve Common language powblerns like, document Summarization, text generation, Juest Answers
large large parameters
Commonality of human Language Resource restrictions
3) (Pretrained & fine tuned) * Transformer Model
Encoding — Decoding Component Component output
Cyenerative language Models & Lampa, Cyennini, Cypt etc.
income that an article to the transfer of the second to th

Page No lan Development Ofs toaditional development traditional ML LIM boudopment Development (using Pre-trained MPI's one exportise needed · No Me expersés needed · training Examples · No training Examples Compute time + Hardwari No need to train a model Thinks about promt design o thinks about himping a loss function Mahurul language processing. (gA) > is a Subfield of NIP that deals with the task of automatically answering questions posed En natural language. GA System - are able to answer a wide range of questions, including factual, definitional, and opinion based questions. prompt design e- is the process of Creating a prompt that is tailored to the specific tack that the System is being as well to perform. Prompt Engineering !- Is the process of Creaning a powert that ?; designed to improve performance

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Prompt design - More Jenral
prompt Engineering - More Specialised for System that
prompt Engineering - More Specialised for System that require a high degree of accuracy
and performance.
State with a secretary to a second and a second and a second and a second as a
Three kind of LLM
17 R. General LLM
ily Instruction tuned
ily Instruction tuned ily dialog tuned.
the sal constant primary toping a substance to the
to Grenewie IIm - bredict the next word (technically token)
based on the language in the training
dara.
and nation training the party of the property states
11> Tentrumon tuned - Framed to Ruedile a response to the
instructions gluen in the input.
Make the Control of t
Promptile 9
input.
[arge language Model]
Coutput
illy bialogue tuned :- Trained to have a dialogue by
predicting the noot response
1.91 0 .4H

larest on trend deepseen & Charge 4.0 Page No.
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Chain of thought Reasoning - Models are better at getting the right answer when they first output text that Explain the reason for answers.
Tuning >> The process of adapting a model to a new domain or set of Custom use Cases by training the model on new data.
More efficient Methods of turing
(PETM) parameters efficient funing Methods (PETM) 3-
Methodo for tuning an IIM on wow Commenter
Methods for tuning an UM on your own Custom data without duplicating the model.
Prompt tuning: - one of the earliest payameter-
Prompt tuning: - one of the eariest payameter- efficient tuning mothods.