

MS

SUMMARY

AI Research Engineer | AI Researcher | Specialized in Transformer Models
Enthusiastic and self-taught AI specialist, proficient in building and fine-tuning Transformer models like LLAMA and GPT. Strong in deep learning, neural networks, and advanced model customization. Passionate about leveraging AI for space exploration and developing solutions to assist those in need.

SKILLS

Python · AI and Deep Learning ·

Machine Learning · Github · pytorch ·

Kaggle · Google Colab ·

Neural Networks · Numpy · Pandas ·

Performance Tuning · PyTorch · Scikit ·

Mathematics for AI · Scikit-Learn ·

Tensorflow

FIND ME ONLINE

 **LinkedIn**
linkedin.com/in/mohit-sharma-ai

 **Github**
github.com/Manu25012001

MOHIT SHARMA

AI/ML Engineer or Deep Learning Engineer

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EXPERIENCE

LLAMA 3.1 Model 08/2024

Personal Project Shimla, Himachal Pradesh, India

- Successfully ran and fine-tuned LLAMA 3.1 8B model on Kaggle for text generation tasks
- Reduced model load time by 30% in resource-limited environments
- Managed large model loading on resource-constrained systems and tuned performance for improved results

Designed a custom Transformer architecture for the LLAMA 2 7B model 2024

Personal Project Shimla, India

- Designed a custom Transformer architecture for the LLAMA 2 7B model from scratch
- Implemented embedding layers, multi-head attention, **Feed-forward networks** to process the tokenized input, **Layer normalization** and **dropout** mechanisms to stabilize the training process. and output generation
- integrating **original LLaMA checkpoints** into my custom architecture, which allows you to leverage pre-trained weights and optimize model performance.
- GitHub: Manu25012001/llama-2-7b

GPT-Like Model Development 03/2024 - 05/2024

Personal Project Shimla

- Developed a GPT-style model covering data preprocessing, embedding layers, and positional encoding
- Focused on training using custom datasets and understanding Transformer internals
- GitHub: Manu25012001/GPT2-from-Scratch

Fine-Tuning T5 for Summarization 02/2024 - 03/2024

Personal Project Shimla, India

- Fine-tuned the T5 model using the BillSum dataset for summarization tasks
- Improved summarization accuracy by 15% through fine-tuning techniques and GPU optimization
- GitHub: Manu25012001/summarization-testing-model

EDUCATION

Bachelor of Commerce 01/2018 - 04/2022

Himachal Pradesh University Shimla, India

Diploma in AI and ML 01/2023 - 08/2024

NIELIT - National Institute of Electronics & Information Technology Shimla, India

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