PRINCE GOUR

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PROFILE

Results-oriented AI & Generative AI Engineer with a strong foundation in developing and fine-tuning Large Language Models (LLMs), transformer-based architectures, and reinforcement learning agents. Skilled in applying deep learning solutions to real-world NLP and computer vision tasks.

EDUCATION

Poornima University – Jaipur, India

Bachelor of Computer Applications in AI & Cybersecurity
2022-2025

- Relevant coursework: Deep Learning, Machine Learning, NLP, Cybersecurity Principles, etc.

SKILLS

Technical Skills: Python, PyTorch, TensorFlow, Transformers, Deep Learning, Natural Language Processing (NLP), Reinforcement Learning, Retrieval-Augmented Generation (RAG), LLM Fine-tuning (LoRA, PEFT), Prompt Engineering

Tools & Frameworks: LangChain, LangGraph, AI Agentic Frameworks (Autogen, CrewAI), FastAPI, Docker, Git, Weights & Biases (W&B), Hugging Face Transformers, OpenAI & Google Gemini APIs

Languages & Scripting: Python, TypeScript, SQL, Bash, C++

ML Operations & Practices: Experiment Tracking, Model Evaluation, Dataset Curation, Prompt Templates, Memory Modules

EXPERIENCE

NeuroNex Labs | Jaipur, India — Jan 2025 – Present

AI Engineer

- Fine-tuned domain-specific LLMs using LoRA/PEFT techniques to enable low-latency inference.
- Managed and optimized end-to-end model pipelines including dataset curation, evaluation, and benchmarking.
- Designed prompt engineering strategies for real-time few-shot NLP tasks, improving inference reliability by 20%.

PROJECTS

- **Transformer from Scratch:** Engineered a bilingual Transformer model for French-to-English translation using attention and positional encoding.
- **TransLearn (GenAI Tool):** Created an AI system to convert YouTube videos into quizzes, audio summaries, and notes using LangChain and TTS.
- **RLHF Agent:** Developed a reinforcement learning agent fine-tuned using preference-based human feedback and PPO.
- **Stable Diffusion Pipeline:** Rebuilt Stable Diffusion architecture and integrated official weights for high-quality image generation.