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EXPERIENCE

Project 1: Medical Chatbot

Overview:

An AI-powered chatbot designed to assist users with medical inquiries using NLP and document retrieval.

- **Tech Stack:** LangChain (Hugging Face, FAISS, PyPDFLoader), Hugging Face Mistral-7B-Instruct, Sentence-Transformers for embeddings
- **Responsibilities:**
 - Developed an RAG-based medical chatbot with document retrieval.
 - Implemented FAISS vector store for efficient search.
 - Integrated Hugging Face LLM for context-aware responses.
- **Outcome:** Enhanced access to medical knowledge with accurate and context-driven AI responses.

Project 2: Text Generation using GPT-2

- **Overview:** Built a text generator capable of producing creative and contextually accurate text.
- **Tech Stack:** Python, Hugging Face Transformers, TensorFlow.
- **Responsibilities:**
 - Preprocessed text data from open-source datasets.
 - Fine-tuned a pre-trained GPT-2 model for generating short stories.
 - Evaluated the model's performance using BLEU scores and human feedback.
- **Outcome:** Able to generate small meaningful text

Project 3 : Style Transfer for Image Editing

- **Overview:** Developed an application that applied artistic styles to user-uploaded images.
 - **Tech Stack:** Python, TensorFlow, Stable Diffusion.
 - **Responsibilities:**
 - Implemented a neural style transfer model.
 - Optimized the model for speed and quality of output.
 - Designed a simple GUI for user interaction.
 - **Outcome:** Enabled users to stylize their images in real-time with an average runtime of 3 seconds.
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EDUCATION

2021-2025 DAYANANDA SAGAR UNIVERSITY

Bengaluru

B-tech in Computer Science - Artificial Intelligence and Machine Learning

- CGPA – 7.22
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OTHER

- **Languages:** English, Hindi, Kannada, Malayalam (native), Tamil (intermediate).
 - **Technical Skills:** Python, C Programming Language, Machine Learning, Open AI, Deep Learning, Language Models, Web Development Front End, TensorFlow, Pattern Recognition, Image Generation, Computer Vision, Natural Language Processing, Image Generation, SQL.
 - **Certifications:** 1) Machine Learning A-Z: AI, Python & R[42.5 hours] Udemy | 2)Modern Computer Vision GPT, PyTorch, Keras, OpenCV4 in 2024 | 3) Introduction to Generative AI
 - **Qualities:** Leadership, Innovative, Productive, Punctual, Team Player, Project Management.
 - **Extras:** 2D/3D animation (Basic) Blender, Unity Game Development.
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