Deepankar Sharma

Email: deepankarsharma2003@gmail.com
Portfolio | LinkedIn | Coursera | Phone: +91 9639102301

SUMMARY

Machine Learning Developer with extensive experience in **Generative AI**, **Computer Vision**, **Graph Databases**, and **NLP**. Proven track record in leading projects that integrate AI and data analytics to drive innovation and efficiency. Skilled in developing **proof-of-concepts** & automated solutions for content creation and data analysis, leveraging cutting-edge technologies and frameworks.

PROFESSIONAL EXPERIENCE

Warewe Consultancy Pvt. Ltd., Gurugram
Senior Software Developer: Machine Learning
September 2024 – October 2024

- **Shotify.ai Project:** The growing demand for engaging video content required a solution for efficiently creating and managing short videos across multiple social media platforms.Lead the development of an AI-driven platform to generate and post short videos automatically on YouTube, Instagram, and TikTok.Utilized **JavaScript**, **React**, and **RESTful** APIs to build Shotify.ai, integrating advanced AI models for video generation and automated posting features.Successfully launched Shotify.ai, significantly reducing the time and effort required for content creation and management, leading to a 40% increase in user engagement across platforms.

Warewe Consultancy Pvt. Ltd., Gurugram
Associate Software Developer: Machine Learning
August 2023 - August 2024

- **Generative Model Fine-Tuning:**Customized LLaMA-2,3 using PEFT-LoRA for SEO data, enhancing the company's AI capabilities.
- **AI-Driven Digital Content Creation:**Utilized Dreambooth and LoRA to generate AI photoshoots, improving the quality and efficiency of digital content creation.
- **Automated Blog Writing:**Developed Paperbot.AI, a SaaS product for automated blog writing using Whisper, Langchain Agents, Crew AI, and LLMs, built in Django Rest Framework and Next.JS.
- **Semantic Segmentation:**Created applications using SAM and stable diffusion for image reconstruction (Project Link).
- **Image Captioning:** Developed web applications to generate captions using BLIP2, Midjourney, streamlining the process of generating descriptive metadata for images.
- **AI Analysis Backend:** Built backend for Serpwe using GTE and BGE embeddings for knowledge graphs and intent classification.
- **Knowledge Graph Creation:** Developed RAG applications hosted on AWS EC2, integrating Langchain and OpenAI functions with Neo4j for knowledge graph creation.
- **Chatbot Development:** Created a Gradio-based chatbot for web content interaction (Project Link).
- **AI Image Classifier:** Fine-tuned a classifier with 96% accuracy for identifying AI-generated images from Midjourney V6 (Project Link).

SKILLS

Generative AI: Langchain, Vertex AI, RAG, CrewAI
Frameworks: TensorFlow-Keras, PyTorch, OpenCV, CUML, RAPIDS
Data Analysis: Pandas, NumPy, Matplotlib, RAPIDS, AWS Quicksight
Deep Learning: ANN, CNN, LSTM, LLMs, Diffusion Models, Control Nets
Backend Development: Django, Flask, FastAPI, Odoo, Node.js
Database & APIs: SQL, JSON, REST API, Neo4j, SQLite
Tools: Jupyter Notebook, Git, Docker, DVC
Programming Languages: Python, Next.js

PERSONAL PROJECTS

ERP Module for Real Estate: Developed a comprehensive ERP module including invoices, custom drafts, and a floor stacking plan, showcasing skills in **clean code** and **architecture**.
AWS QuickSight Integration: Connected AWS QuickSight with GA4 data to create reports and dashboards, emphasizing **cloud** and **data analysis** expertise.
Automatic Blog Writer: Created an automatic blog writer using Crew AI, Perplexity Llama3 API for research, GPT-4, and Langchain for formatting.
Web Scrapers: Built web scrapers for YouTube and Pinterest using **Python**.
Fashion Product Recommendation System: Developed a recommendation system (Project Link).
Movie Recommendation System: Created a movie recommendation system (Project Link).
Chicken Disease Classification: Worked on disease classification using fecal images (Project Link), demonstrating **deep learning** and **computer vision**.
Text Summarization: Implemented text summarization using pegasus-cnn_dailymail (Project Link).
Conversational Text Generator: Created a text generator using GRU-RNN (Project Link).
Smart Surveillance: Developed a smart surveillance system with computer vision (Project Link), applying **machine learning** techniques.