Abhishek Singh

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github.com/Abhi2april

Summary

I am a Junior in Computer Science Engineering at Bennett University with years of academic experience in AI and ML Projects. Proficient in Pytorch framework with hands-on project experience. Enthusiastic about GANs and LLMs. Eager to contribute to cutting-edge AI technologies.

Skills

- Programming: Python, C++, SQL
- Machine Learning: TensorFlow, PyTorch, Keras, Scikit-learn
- Generative AI: GANs, Model Fine-tuning, Retrieval-Augmented Generation (RAG)
- NLP: LLMs, Transformer models, Text embeddings, Sentiment analysis
- Dev Tools: Git, Streamlit, Google Colab, Jupyter
- Other: Team Leadership, Exploratory Data Analysis (EDA)

Work Experience

NLP Lead, Artificial Intelligence Society, Bennett University — Aug 2024 - Present

- Lead development of NLP and LLM projects; mentor junior team members
- Ensure successful project execution and team coordination

Research & Development Intern, IIIT Dharwad — Apr 2024 - Aug 2024

- Utilized LLMs and Generative AI techniques for curriculum-based problem generation
- Developed models using Fine-tuning and RAG with Meta's LLaMA

Projects

Sentiment Analysis (github.com/Abhi2april/Sentiment-Analysis)

- Built RNN-based Sentiment analysis NLP application; achieved 88% accuracy and 0.87 F1-score

TEXT-2D-3D (github.com/Abhi2april/text–2d–3d)

- Implemented text-to-image generation using stable diffusion transformer model and using Hugging Face's stability-ai's for 2D-to-3D conversion (SSIM: 0.60), which resulted in a fully fleged text to 3d conversion model

Disease Recognizer (github.com/Abhi2april/Disease-Recogniser)

- Encodes patient symptoms using the sentence-transformers/all-MiniLM-L6-v2 model, applying Logistic Regression and KMeans Clustering to classify symptoms and predict diseases.

Education

Bennett University — Sep 2022 - Apr 2026
B.Tech in Computer Software Engineering

Certifications

- Introduction to Computers and Operating Systems and Security
- Hands-On Generative AI: From Concepts to Implementation
- Unsupervised Machine Learning
- Sample-based Learning Methods
- Exploratory Data Analysis for ML