Dnyanesh Kavate

dnyaneshkavate@gmail.com | github.com/codefever1912 | +91 7722075515

Education

Vellore Institute of Technology, Bhopal   *September 2022 - Present*
B. Tech, Department of Computer Science and Engineering   *CGPA: 8.39*

Experience

AI/ML Intern   *March '25 – April '25*
Cybtree Pvt. Ltd.

- Contributed in creating an AI-driven ASM(Attack Surface Monitoring) tool that monitored and flagged anomalous network activity for detecting potential cyber attacks
- Implemented features like CLI tool, dashboard metrics for overall usability
- Learnt about key concepts regarding cyber-security and how AI/ML solutions can be implemented to tackle increasing cyber threats

Projects

Text summarization | PyTorch, Transformers, BART, Llama-7b, HuggingFace

- Developed an AI-powered text summarization tool using BART and LLaMA-7b, fine-tuned on CNN/DailyMail dataset, enhancing readability of news articles and reports.
- Optimized BART-base model for low resource usage for smooth on-device inference
- Applied quantization for better memory usage while retaining accuracy

Sentiment Analyzer | PyTorch, Word2Vec, NLTK, Kaggle

- Developed a sentiment analysis model, analyzing user emotions of social media on various topics, achieving over 83% accuracy
- Trained on the Sentiment140 dataset, using NLTK tokenization and Word2Vec vectorization for better semantic retention
- Optimized data pipeline to handle large-scale datasets efficiently

Technical Skills

- **Programming Languages**: C++, Python, JS, HTML, CSS
- **Machine Learning & AI**: PyTorch, Tensorflow, NLP, Computer Vision, Transformers
- **Data Analysis & Processing**: Pandas, NumPy, scikit-learn, Matplotlib
- **Development Tools**: Git, Linux, Neovim, Docker, Ollama, Google Colab, Open-source

Co-Curricular

- Achieved **N3 level** proficiency in Japanese, being one of two in our campus, demonstrating overall proficiency in reading, writing and speaking
- Competitive Programming – solved 500+ questions
- Co-authored several research papers on AI applications, like Prescription for Privacy and SignSense, with my colleagues, reflecting collaboration and contributions to ML & NLP advancements