Parag Darade *Data Scientist*

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in https://www.linkedin.com/in/parag-darade ○ https://github.com/ParagDD

👤 PROFILE

Results-driven professional with expertise in Natural Language Processing (NLP) and machine learning, proficient in utilizing a range of technologies and tools, including Hugging Face's open-source models, advanced techniques such as Retrieval Augmented Generation (RAG), and specific tools like Wisper AI by OpenAI. Proven track record of successfully implementing and leading projects centered around Large Language Models (LLM). Skilled in data cleaning and preprocessing, with a focus on automating educational assessment processes and enhancing student support systems.

📁 PROJECTS

Automated Educational Assessment System
evolutionizing Student Evaluation through LLM Automation
- Developed and implemented an LLM model using Hugging Face and Retrieval Augmented Generation (RAG) for automated assignment and quiz generation.
- Streamlined grading processes through an automated evaluation system, enhancing efficiency.

Knowledge Ocean from Video Transcripts
Unleashing a Sea of Knowledge from 23,000 Videos
- Led a team in utilizing Hugging Face's open-source models and Retrieval Augmented Generation (RAG) to extract transcripts from 23,000 videos.
- Curated a knowledge base of FAQs from video transcripts, contributing to student query resolution systems.
- Contributed to the fine-tuning of the LLM model through the generated knowledge base, enhancing its adaptability to student queries.

Chat Data Analysis for Enhanced Support
Elevating Support Systems through NLP-Driven Insights
- Extracted insights from chat support data using Hugging Face models, including Retrieval Augmented Generation (RAG).
- Integrated cleaned data into projects, enhancing the adaptability of LLM models.

🧠 SKILLS

Programming Languages (Python)

Data Manipulation and Analysis (Numpy, Pandas)

Data Visualization (Matplotlib, Seaborn)

Machine Learning (scikit-learn, TensorFlow, PyTorch)

Deep Learning (ANN, CNN, RNN)

GPT-3/ChatGPT (Foundational Models (e.g., GPT-3/ChatGPT), Prompt Creation and Validation)

Large Language Models (LLM), Natural Language Processing (NLP) Techniques

Transformer Architectures (BERT, GPT)

Databases (MySQL, MongoDB)

Web Scraping (BeautifulSoup, Scrapy, Selenium) • **PowerBI**

💼 PROFESSIONAL EXPERIENCE

Data Scientist
iNeuron Intelligence Pvt. Ltd.
2023/09 – present | Bengaluru, India
- Developed an implemented an LLM model using Hugging-Face and Retrieval Augmented Generation(RAG) for automated assignment and quiz generation.
- Streamlined grading processes through an automated evaluation system, enhancing efficiency and accuracy.
- Led a team in utilizing Hugging Face's open-source models and Retrieval Augmented Generation (RAG) to extract transcripts from 23,000 videos.
- Curated a knowledge base of FAQs from video transcripts, contributing to student query resolution systems.
- Applied NLP techniques to analyze and extract insights from chat support data, enhancing the adaptability of LLM models.

Associate Tech Engineer
iNeuron Intelligence Pvt. Ltd.
2023/01 – 2023/09 | Bengaluru
- Managed email and live chat support channels, optimizing response time and resolution efficiency.
- Analyzed user inquiries using data analytics, contributing to targeted improvements in the support system.
- Developed a comprehensive knowledge base by categorizing and documenting frequently asked questions, laying the groundwork for subsequent projects.
- Collaborated with cross-functional teams to communicate user feedback and ensure user-centric improvements in support processes.
- Delivered high-quality support, fostering positive customer relationships and contributing to ongoing process enhancements.

Intern
iNeuron Intelligence Pvt. Ltd.
2022/10 – 2023/01 | Bengaluru
- Worked on an insurance price prediction project using machine learning algorithms.
- Utilized end-to-end approach, from data preprocessing to model deployment on AWS.
- Developed and fine-tuned ML models to accurately estimate insurance prices.

🎓 EDUCATION

MBA (Business Analytics)
Sinhgad Institute of Management (SPPU)
2019/08 – 2021/08 | Pune

B.E. (Computer Engineering)
Genba Sopanrao Moze College of Engineering (SPPU)
2014/08 – 2019/07 | Pune

📚 COURSES

Full Stack Data Science Bootcamp
iNeuron