Deekshith N

+91 8073344599 deekshithdeepith12042004@gmail.com Bengaluru Github Portfolio Linkedin

Projects

SGD Classifier for UN-SDGs | *Scrapy, Pandas, TF-IDF, Transformers, Seaborn* **Github**

- Scraped 500+ Indian startup websites to curate a structured dataset for SDG classification.
- Engineered a hybrid NLP pipeline (TF-IDF + LinearSVC + distillBERT), boosting Jaccard score by 7%.
- Visualized SDG trends and co-occurrence patterns to identify investment-ready impact startups.

DocuQuery – AI Document Q&A Tool | *LangChain, Ollama, RAG, FAISS, Streamlit* **Github**

- Developed a semantic search web app enabling users to query PDFs and documents using natural language.
- Built the pipeline with LangChain, FAISS embeddings, and Phi-2 LLM for efficient context retrieval.
- Integrated Flask backend and PyMuPDF to deliver real-time, context-aware answers with optimized UX.

AI-Powered DevOps Auto-Remediator | *Python, LangGraph, Gemini LLM, MongoDB* **Github**

- Built an AI-powered auto-remediation agent enabling intelligent triage and classification of DevOps alerts.
- Automated incident management workflows by integrating Slack and PagerDuty APIs for real-time notifications.
- Designed dynamic remediation playbooks with MongoDB storage and safe fallback mechanisms, reducing manual intervention.

Bank Management System | *SQLite, Flask, JavaScript, REST* **Github**

- Designed and deployed a full-stack banking system with role-based access (Admin, Manager, Customer).
- Implemented secure account operations (fund transfers, deposits, withdrawals) with real-time dashboard analytics.
- Built SPA-style frontend with RESTful API architecture for seamless user interaction.

Spotify Data Analysis & BERT Recommendations | *Python, pandas, PyTorch, HuggingFace Transformers* **Github**

- Developed a comprehensive analysis system for Spotify listening history using Python and pandas.
- Implemented a BERT-based recommendation system for similar track suggestions using PyTorch.
- Created interactive visualizations of listening patterns and user behavior insights.
- Built an engagement prediction model with three-level classification (Low, Medium, High).
- Utilized HuggingFace Transformers for generating track embeddings and similarity matching.

Technical Works and Certifications | *Kaggle*

- Worked on over 20+ datasets using statistical tools, extracting key insights and patterns.
- Developed interpretable ML projects to explain complex features, prioritizing transparency beyond predictions.
- **NPTEL Deep Learning**
- **Coursera Data Science**
- **Coursera Data Science**

Education

B.Tech, Artificial Intelligence and Machine Learning **GPA: 8.8 / 10**

M S Ramaiah University of Applied Sciences, Bengaluru

Languages, Skills & Interests

- **Languages & Technologies:** Python, R, Java, SQL, Flask, Scrapy, PyTorch, Transformers, pandas, Scikit-learn, Git.
- **Skills & Interests:** Data Science, Machine Learning, Software Development, LLMs.