

Deekshith N

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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 a semantic search web app enabling users to query PDFs via LangChain, FAISS embeddings, and Phi-2 LLM.
- Integrated Flask backend and PyMuPDF to deliver real-time, context-aware answers with an optimized UX.

YouTube Video Summarizer (yt-dlp, speechrecognition, flask, torch, pydub) [\(Github\)](#)

- Developed a Flask-based application to auto-summarize YouTube videos using Phi-2 model LLM.
- Automated audio extraction (yt-dlp, pydub) and transcription (Google Speech API) for efficient content summarization.

Bank Management System (Sqlite, Flask, JavaScript,REST) [\(Github\)](#)

- Designed and deployed a full-stack banking system with role-based access (Admin, Manager, Customer) using Flask, SQLite, and vanilla JavaScript.
- 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.

TECHNICAL WORKS and Certifications

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

EDUCATION

M S Ramaiah University of Applied Sciences (GPA: 8.8/10)

B.Tech, Artificial intelligence and Machine Learning Bengaluru, India

LANGUAGES, SKILLS & INTERESTS

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