SIDDHANT SHARMA

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SKILLS

Python, SQL, Pandas, NumPy, Matplotlib, Tableau, LangChain, LlamaIndex, Time Series Forecasting, Classification, Deep Learning, Machine Learning, Feature Engineering, AWS EC2, FastAPI, REST API Development, Docker, Fastai, Stremlit, Git and Adobe Creative Suite (Photoshop, Illustrator, Indesign and After effects)

TECHNICAL PROJECTS

Data-Driven Reddit Opinion Mining System | Demo: http://lumicore.duckdns.org/

- Worked with a team to develop a full-stack web application to evaluate user opinions by analyzing user-generated content from Reddit and Google search results.
- Helped in engineering a robust data pipeline integrating PostgreSQL for persistent storage and efficient query handling, enabling large-scale analysis of user comments from Reddit.
- Applied advanced NLP techniques for sentiment classification, keyword extraction, and summarization, producing actionable insights from aggregated data.

Retrieval-Augmented Generation (RAG) Agent | Demo: http://35.182.40.143:8501

- Goal is to make document interaction efficient using full stack AI RAG agent. Users can upload a document, ask questions, and get answers or summaries.
- Implemented backend in FastAPI with OpenAI models. API development includes session-based architecture and temporary file cleanup for secure and efficient operations.
- Utilized Docker for containerized deployment, Streamlit interface for frontend and AWS EC2 for hosting.

Time Series Forecasting with XGBoost | Demo: m4-weekly-frontend.onrender.com

- Developed a time series forecasting solution using the M4 weekly dataset, leveraging advanced feature engineering (cyclic, lagged, and rolling features), stationarity analysis and global XGBoost model with RandomizedSearchCV.
- **End to end model building:** Designed a robust pipeline for data preprocessing, model deployment, and API integration using FastAPI for real-time predictions, hosted on Render.
- Incorporated Population Stability Index (PSI) and feature importance analysis for model evaluation & drift detection.

OTHER PROFESSIONAL EXPERIENCE

Protiviti | Sr. Design Specialist **|** 2021 – 2023
- Streamlined workflows by developing new templates and maintaining an organized digital asset management system, improving team efficiency and project consistency.

Deloitte | Sr. Multimedia Design Specialist | 2019 – 2021
- Created client presentations, infographics & marketing collateral, helping stakeholders to communicate effectively.
- Managed multiple projects under tight deadlines, effectively collaborating with stakeholders to deliver impactful visuals for campaigns, events, and thought leadership content.

Other agencies | Art Director and Graphic designer | 2016 – 2019
- Directed the design execution for publications and B2B events, managing stakeholder expectations and delivering projects on time with creative solutions that aligned with business goals.

EDUCATION

Artificial Intelligence Analysis, Design & Implementation Postgraduate Certificate	Expected Aug 2025
Durham College **GPA: 5.0 / 5.0**	
Fastai Practical Deep Learning for Coders - Part 1	2024
User Experience Design Postgraduate Diploma, St. Lawrence College	2024
Deep Learning Specialization, Coursera	2022
Bachelor's - Technology in Computer Science Engineering, Indraprastha University	2016