Suzal Kachhadiya

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EDUCATION

Computer Engineering | Government Engineering College, Bhavnagar ***CGPA* : 7.91**
(June '21 - Mar '24) (7th Semester). (Passing Year - 2025)

PROJECTS

AIDRP - AI Driven Diabetes Readmission Prevention

- AIDRP is an AI-driven platform that can accurately predict and reduce 30-day hospital readmission rates for diabetes mellitus (DM) patients. The platform is boosted by Gemini API, an AI assistant that answers users' questions regarding healthcare. By enhancing prediction and prevention of avoidable readmissions, AIDRP can assist hospitals in improving quality of care, reducing costs, and optimizing performance measures.
- Tools: Gemini API, Streamlit, Catboost, Google Cloud Run
- Contributions: Building an accurate model
- git-hub

Next Word Predictor

- Machine learning model which predicts the next word in to sentences by the data provided of any paragraph.
- Tool : Tensorflow, keras, Long Short Term Memory (LSTM), streamlit
- git-hub

Chat With Search

- The project implements a multi-agent system using LangChain's framework, where each agent can utilize different search tools (PDF documents, Arxiv, Wikipedia, and DuckDuckGo) based on user selection.
- Tool : Langchain, streamlit
- git-hub

CreationScope

- A multi-agent AI system designed to streamline industry research and AI solution development. It features three agents: a Research Agent to gather company insights, a Use Case Generator Agent to propose AI opportunities (GenAI, LLMs, ML), and a Resource Collector Agent to source datasets and models. Outputs detailed reports bridging AI potential with practical resources.
- Tools : Langchain, Crew ai, streamlit
- git-hub

Portfolio Website – For more project Click-To-View

Management and Leadership Skill

Data Team Core Member (Sep-23 to Sep-24)
Google Developer Student Clubs (**GDSC**) - Government Engineering College, Bhavnagar.
- Served as a core member of the GDSC data team, contributing to various data projects that enhanced our group's information usage.

Technical Skills

- **Programming Languages**: Python
- **Data Analysis and Visualization**: PowerBI, Pandas, NumPy, Matplotlib, Seaborn, Plotly
- **Machine Learning Libraries**: Scikit-learn, CatBoost
- **Deep Learning Frameworks**: PyTorch, TensorFlow
- **Architectures**: ANN, CNN, RNN, LSTM, Transformer
- **Generative AI**: Langchain, RAG, Vector Database
- **Database Management**: SQL, MongoDB
- **Other Tools**: Jupyter Notebook, Git, Kaggle

Certifications and Achievements

Award: 2024 GDSC Solution Challenge global top 100 finalist.
Data Science Masters Programme by PWSkills
- Click-To-View