

Shreyas Domde

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Projects

Adaptive Data-Driven Mental Wellness

July 2023 – February 2024

- Developed a system utilizing facial expression and voice analysis to infer mental health issues for a more dynamic evaluation of users.
- Implemented a virtual counsellor based on LLM Llama 2 which tailors responses based on user's specific mental health.
- Suggest personalized activities to user for mitigation of mental health.

GenAI Schema Architect

- Developed a Smart Schema Architect, a Gen AI tool based on Llama 3 for generating optimized database schema suggestions by extracting complex relationships between databases and their attributes.
- Leverages the power of Llama 3 to generate optimal database schema suggestions for complex data warehouses schema including Star, Snowflake, hosted on Streamlit for user interaction.

Hackathons

SIH 2023

August 2023 – December 2023

Government-Hosted hackathon

- Collaborated with a team of 5 members to develop an innovative solution for smart grid solutions.
- Designed a blockchain-secured smart controllers for grid-connected microgrids to ensure secure and tamper-proof for both data storage and transmission between smart meters and grid.
- Selected as Finalist in the department of ministry of power as 1 of the 5 teams Pan India.

Experience

VOIS Virtual Internship

October 2023 – November 2023

- Completed an intensive 4-week AI program with VOIS and Vodafone Idea, gaining hands-on experience and industry certifications.
- Developed a diabetes risk prediction model exceeding 85% accuracy, employing powerful XGBoost and SVM algorithms.
- Performed feature selection with correlation analysis and recursive feature elimination to refine model performance.

Education

Shri Ramdeobaba College of Engineering

December 2021 – Present

BTech, Computer Science (Data Science)

GPA: 9.27

Expected Graduation: June 2025

Skills

Machine Learning: TensorFlow, Scikit-learn, PyTorch, Keras, Flask, Streamlit

Data Analysis: Python (NumPy, Pandas, Matplotlib), R, Apache Spark, Excel

Programming Languages: Python, Java, C, R, SQL, NoSQL

Visualization: Tableau, Power BI, MATLAB