HARSHIL PATEL

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Skills

- Language: C, C++, Java, Python, SQL
- Tools: Jupyter Notebook, Pandas, Numpy, Versel

Projects

Airline Reservation System OCT 2024

- An innovative application to manage airline ticket reservations and bookings
- Developed an Airline Reservation System using JavaFX to streamline ticket booking processes

Canteen Management System April 2025

- Developed a desktop application for automating canteen operations with a Python-based GUI (Tkinter) and MySQL backend.
- Implemented features for menu management, order processing, billing, and inventory tracking, improving efficiency and reducing manual errors.
- Designed and optimized relational database schemas in MySQL for secure and efficient data storage.
- Focused on user-friendly design and data integrity, ensuring smooth interaction between front-end and back-end systems.

Chatbot for Mental Health Support using Multimodal Sentiment Analysis April 2025

- Designed and developed an AI-powered chatbot to provide mental health support, integrating text and image sentiment analysis for more empathetic responses.
- Developed and trained deep learning models (CNN-based) for emotion classification across multiple categories (happy, sad, stressed, neutral, etc.).
- Integrated the chatbot with a user-friendly interface for accessibility, privacy, and continuous engagement.

Education

Manipal Institute of Technology (MIT) 2023-2027
B.Tech Computer Science (AIML) Manipal

Mount Carmel High School 2023
Class XII Gandhinagar

CERTIFICATES

- Prompt Engineering in ChatGPT
- Data Structures in C
- Data Analytics Job Simulation at Deloitte