Harsh Singh

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Education

SRM University 2022 − 2026

B.Tech in Computer Science and Engineering

Relevant Courses: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems

Technical Skills

Programming Languages: Python, C++, JavaScript

Web Technologies: HTML, CSS, ReactJS, Node.js

Databases: MongoDB

Tools/Frameworks: Matplotlib, Scikit-learn, REST APIs, Git

Projects

AI-Powered Solution to Boost Tourism in India

- Implemented a chatbot for personalized itinerary planning, leveraging the Gemini API and fine-tuning the model for user-specific conversations.

- Prepared a comprehensive dataset to enhance the chatbot's ability to recommend destinations based on budget, travel type, and preferences.

- Designed and integrated the chatbot into the platform, enabling seamless interactions for users planning their trips.

Technologies: Python, Node.js, MongoDB, HTML/CSS/JS, Gemini API, REST APIs

Medical Text Summarizer Using Gemini API

- Built a tool that summarizes medical documents by integrating Gemini API for NLP tasks.

- Enabled users to download the summarized response as a document for easy reference and sharing.

- Reduced manual effort by over 40% for healthcare professionals by producing concise and accurate summaries.

Technologies: Gemini API, NLP, Data Processing

Gym Management System

- Designed and implemented a gym management application to track member records and payment statuses.

- Developed back-end functionality with SQL for database management.

- Ensured scalability and modularity for small to mid-sized fitness businesses.

Technologies: SQL, HTML/CSS (Working on upgrading the frontend to React)

Achievements

- Winner of the Smart India Hackathon Internals, qualified among 300+ teams for the externals.

- Machine Learning Specialization by AndrewNg

Additional Information

- Volunteered for Being Sevak NGO, organizing Mission Annapurna for the blind.