PARAS RANA

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PROFESSIONAL SUMMARY

A dedicated and enthusiastic student with a strong interest in software development and hands-on coding. Proficient in multiple programming languages and always eager to take on new challenges that sharpen problem-solving skills. Passionate about building real-world projects and consistently working to expand technical knowledge to keep pace with the latest trends in the tech industry.

EDUCATION   Sept 2023 to June 2027

IIIT Nagpur
Bachelors in Technology in Computer Science and Engineering
Related Coursework: Data Structures and Algorithms, Web Development, Computer Programming and OOPS, Software Engineering, Operating Systems
GPA: 7.50

PROJECTS

Movie Recommendation System   (github.com/Movie_Recommender)
- Built a multilingual movie recommendation platform using NLP techniques (TF-IDF, CountVectorizer, NLTK) with typo-tolerant search and intelligent auto-suggestions.
- IMDb scraping for reviews, and genre-based top 20 listings based on ratings.
- Added features like actor/director details pop-ups , trailers, teasers, movie budgets using TMDB.

Virtual Voice Assistant   (github.com/VoiceAssistant)
- Built a Python-based AI virtual assistant with voice/text commands for system control , scheduling and automation.
- Enabled smart media playback, real-time image recognition, and app launching through user commands.
- Integrated Google Calendar for task management and designed a Tkinter-based user interface for seamless interaction.

AI Chatbot Platform   (github.com/ChatbotPlatform)
- Developed an AI-powered chatbot using LangChain and open-source LLMs (Gemini, LLaMA) for intelligent query resolution, PDF summarization (with audio), and code/career analysis.
- Integrated ML model evaluation, skill gap analysis, and task automation into a unified platform to streamline workflows and enhance productivity.

AI-Powered Facial Recognition Match System   (github.com/FaceMatch)
- Developed a web application that detects faces from user-uploaded images and matches them with celebrity faces using a ResNet50-based VGGFace model and MTCNN for face detection.
- Achieved real-time facial similarity scoring using cosine similarity on precomputed feature vectors.
- Implemented seamless image upload, face matching, and result display with an interactive UI.

Online Doctor Appointment Booking System   (github.com/OnlineAppointment)
- Created web application that allow users to book doctor appointments and find the nearest clinic using geolocation.
- Enabled patients to search for doctors based on their illness, location, or doctor's name.
- Designed with PHP/Hack, SQL, and JavaScript (including JSON and APIs).

SKILLS

C / C++	HTML / CSS	JavaScript	Python
Data Analysis	Machine Learning	Deep Learning	NLP
Generative AI	Node JS	React JS	MongoDB
Express JS	PHP / SQL		

ACHIEVEMENTS
- Ranked 3rd in the National Level Hackathon conducted by BITS Pilani.
- Reached the Final Round of a National Hackathon organized by IIITM Gwalior.
- Reached the Final Round of a National Hackathon organized by IIT Guwahati.
- Solved 100 Questions on LeetCode.