

# Sarang Singhal

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## EXPERIENCE

- **UNIFORD Foundation | Website Development Intern** ( June 2024- August 2024)
  - ➔ Led the development of a high-performance React-based website, boosting load time through code optimization and enhancing SEO with strategic keyword integration. Worked on a project for developing attractive Portfolio Website making it user friendly.

## Skills

**Languages & Tools:** Java, Python, JavaScript, SQL, Git, GitHub, Postman

**Frontend:** HTML, CSS, React.js, Streamlit

**Backend & APIs:** Node.js, Express.js, FastAPI, REST APIs, Gemini API

**Databases:** MongoDB, PostgreSQL, Pinecone

**AI/ML & LLM:** Scikit-learn, Pandas, BERT, LLMs (Gemini), NLP, ML , DL, NLP , Agentic AI

**Data Handling:** Data Scraping ,Data Cleaning, Analysis, Classification ,

## Projects

### ➔ Hospital Management System:

- ✓ **Tools:** MERN Stack , Python, LLMs, Google Gemini API
- ✓ Built a full-stack healthcare platform using the MERN stack, enabling patients to register and book doctor appointments, reducing wait times Integrated an AI-powered Medical ChatBot feature using Python, LLMs, and the Google Gemini API to provide instant medical insights from a structured knowledge base.
- ✓ Created a dedicated admin dashboard that allows administrators to easily approve or reject appointments and connect with doctors across various specialties, streamlining the management and coordination of patient care

### ➔ Attendance Management System:

- ✓ **Tools:** MERN Stack
- ✓ **Employee Panel:** Employees can easily log in daily to mark attendance, capturing real-time location, images, and timestamps for accurate check-in and check-out. The panel also offers an intuitive graphical view of monthly attendance, providing users with clear insights into their attendance history and performance.
- ✓ **Admin Dashboard:** Provides administrators with an intuitive interface to efficiently monitor daily attendance, including users' check-in/check-out locations, live images, and timestamps. This enables seamless tracking and ensures accurate attendance management for better operational control.

### ➔ AI based automatic data cleaning app:

- ✓ **Tools:** Python, LLMs, Google Gemini API , FastApi , Tensorflow, Streamlit
- ✓ Developed a modular AI-driven web application using LLMs and the Google Gemini API to deliver intelligent insights. Engineered a pipeline to convert books into structured datasets for efficient knowledge retrieval. Enabled users to input raw data from Excel, CSV, PostgreSQL, or APIs, which is automatically cleaned, organized, and exported as a refined dataset by the AI model.

### ➔ AI based Restaurant Reservation Agent :

- ✓ **Tools :** Python, FastAPI, Gemini 1.5 Flash, Pinecone, PostgreSQL, JSON, HTML, JavaScript
- ✓ Built an intelligent restaurant reservation chatbot that understands natural language to book, modify, or cancel tables across major Indian cities. It handles incomplete queries with follow-up questions, prevents overbooking, and provides personalized recommendations, making the reservation process faster, smarter, and more user-friendly.

## ACHIEVEMENTS

Runner up in brain teaser event

Secured 2nd position in ML quest organized by GHRCE as a part of 3 member team.

3<sup>rd</sup> position in break the query competition

## EDUCATION

➔ **Btech. CSE (AI & ML) | Kurukshetra University**

**S.G.P.A – 8.5+ | 2023-2027**

➔ **XII (CBSE) | Rock Gold Academy,Shamli**

**90.0% | 2022-2023**