

Amisha Singh

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EDUCATION

SRM UNIVERSITY(2022-2026)
BTech in Computer Science with
Specialization in Software
Engineering
CGPA:9.5 (Upto Semester 3)
Chennai,India

DELHI PUBLIC SCHOOL
grad - May 2022| Jharkhand, India

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COURSEWORK

UNDERGRADUATE

Statistics for Machine Learning
Data Structures and Algorithms
Software Quality Management
Data Base Management System
Operating Systems
Designed Algorithms and Analysis
Artificial Intelligence

SKILLS

PROGRAMMING LANGUAGES

- Java
- C++
- Python
- HTML
- CSS
- JavaScript
- TypeScript

FRAMEWORKS

- React JS

DATABASES & CLOUD SERVICES

- MongoDB
- MySQL
- AWS

PROJECTS

LOCATION-BASED-AMBULANCE

Tech Stack: Express JS, React JS, MongoDB

- Ambulance booking system website based on fastAPI with frontend based on - html, js and css and backend based on python with **mongodb** database.
- The **GPS** is embedded within the ambulance which will keep track of the ambulance at all time.
- Implemented comprehensive authentication and authorization for secure user access and data protection.
- GPS Tracking ,Real-time Data , Route Optimization
- Users book ambulances through our website and get immediate responses, information about nearest ambulance, nearest hospital and the fastest route to it.

AIRBNB CLONE DEVELOPMENT

Tech Stack: Express Js, Node js, API, MongoDB

- Led the development of a comprehensive Airbnb clone platform, leveraging my expertise in web development and user experience design.
- Leveraged **NodeJS** and **CSS** for crafting a highly interactive and responsive user interface.
- Designed and implemented the user interface (UI) to ensure a seamless and intuitive booking experience for users, incorporating modern design principles and responsive design techniques.
- Developed RESTful services for effective communication between front-end and back-end, optimizing performance and scalability.
- Engineered user authentication and session management with **JWT** for enhanced security and personalized user experiences.

AWARDS

Top 10 position out of 600 teams in HackTrix 2024, IEEE SRM student Branch

Project Description: In large cities, whenever people have to call an ambulance, people do not know how to call an Ambulance when needed, they either call a dispatcher, which leads to unnecessary wasted time in a crucial emergency, or they call a hospital, and then the hospital calls an ambulance which again wastes more time. This delay can lead to the loss of countless lives as every single second matters when there's a medical emergency.

- Server redirect the request to near by ambulance driver.
- User sends requested to server through the website

My Contribution:

- Ambulance booking system website with frontend based on - html, js and css and backend based on python mongodb database