# Abhinav Tomar

Abhinav.17128@gmail.com | 7683084655 | at2509@srmist.edu.in

## EDUCATION

### SCHOOLING (2019-2020)
Graduated from DPS Ghaziabad
Delhi NCR, India

### SRM UNIVERSITY (2022-2024)
B.Tech in Computer Science with specialization in Software Engineering
Chennai, India

## LINKS

Github:// **7bhinav**
LinkedIn:// **Abhinav Tomar**

## COURSEWORK

### UNDERGRADUATE
Statistics for Machine Learning
Data Structures and Algorithms
Advanced Java programming
Data Base Management System
Operating Systems
Designed Algorithms and Analysis

## SKILLS

### PROGRAMMING LANGUAGES
- C++
- Python
- HTML
- CSS
- JavaScript

### FRAMEWORKS
- React JS

### DATABASES & CLOUD SERVICES
- MongoDB
- MySQL
- AWS

## PROJECTS

### LOCATION-BASED-AMBULANCE
Tech Stack: Express JS, Reac 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