



Technology Overview



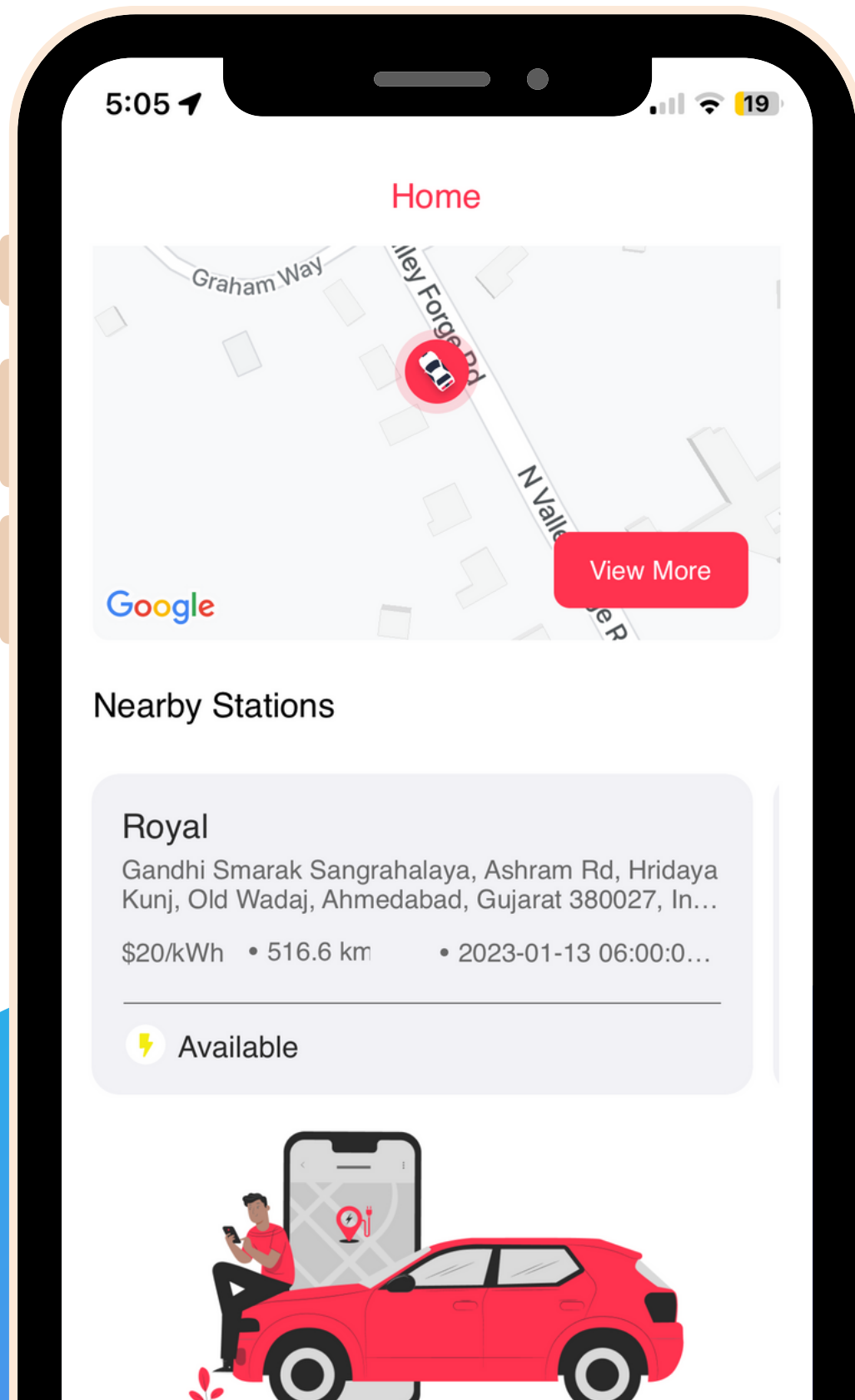
Links

Website - <https://sonikmobility.com>

App Store - [IOS](#)

Play Store - [Android](#)

Admin Panel - [Admin](#)

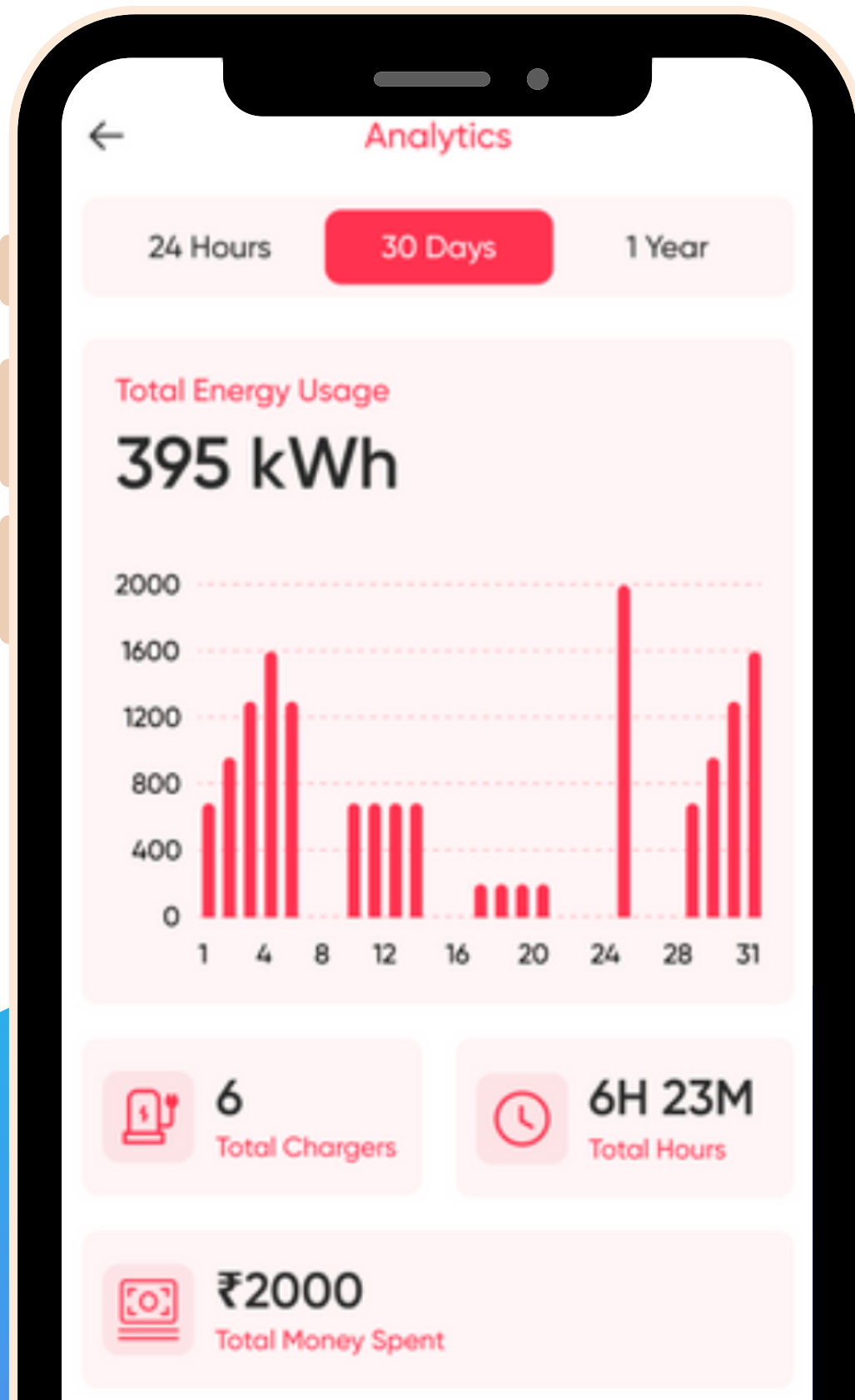


Mobile application Technologies

- iOS

- The iOS version of our application is built using Swift, Apple's modern programming language for iOS app development. Swift offers safety, speed, and expressive syntax, enabling us to create a high-quality and feature-rich iOS application.
- Dependencies:
 - Swift Package Manager: Used for managing third-party dependencies and libraries in our Swift-based iOS application

Mobile application Technologies

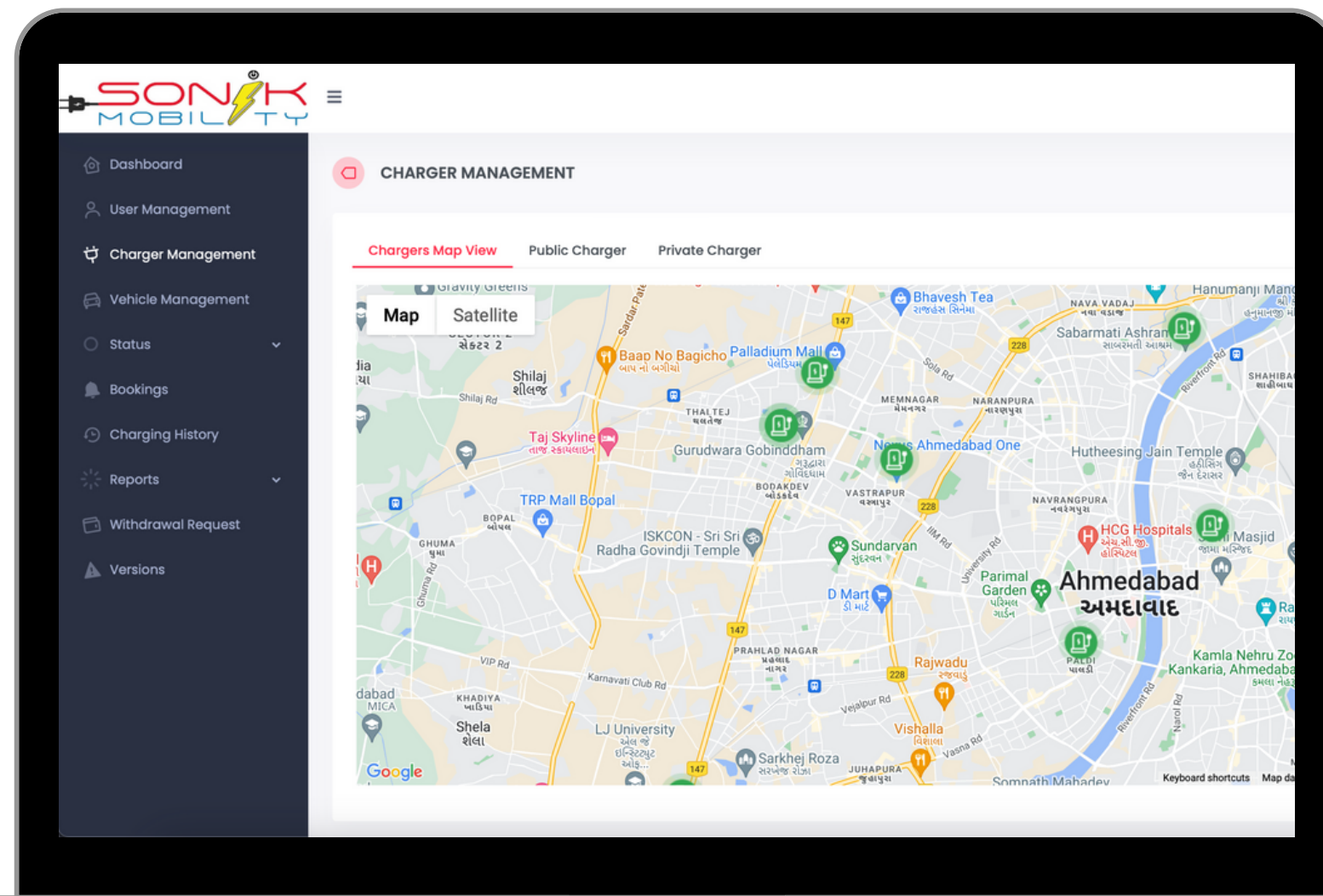


- **Android**

- For the Android version of our application, we utilize the Android platform to deliver a seamless mobile experience to Android users. Android development is carried out using Java or Kotlin, adhering to best practices for performance, security, and user interface design.
- Dependencies:
 - **Android Support Library:** Provides backward compatibility and additional features for Android app development.

Frontend Technologies

Vue.js



Vue.js is a progressive JavaScript framework used for building user interfaces. It provides a flexible and efficient way to develop interactive web interfaces. Our admin panel is built using Vue.js, ensuring a smooth and responsive user experience.

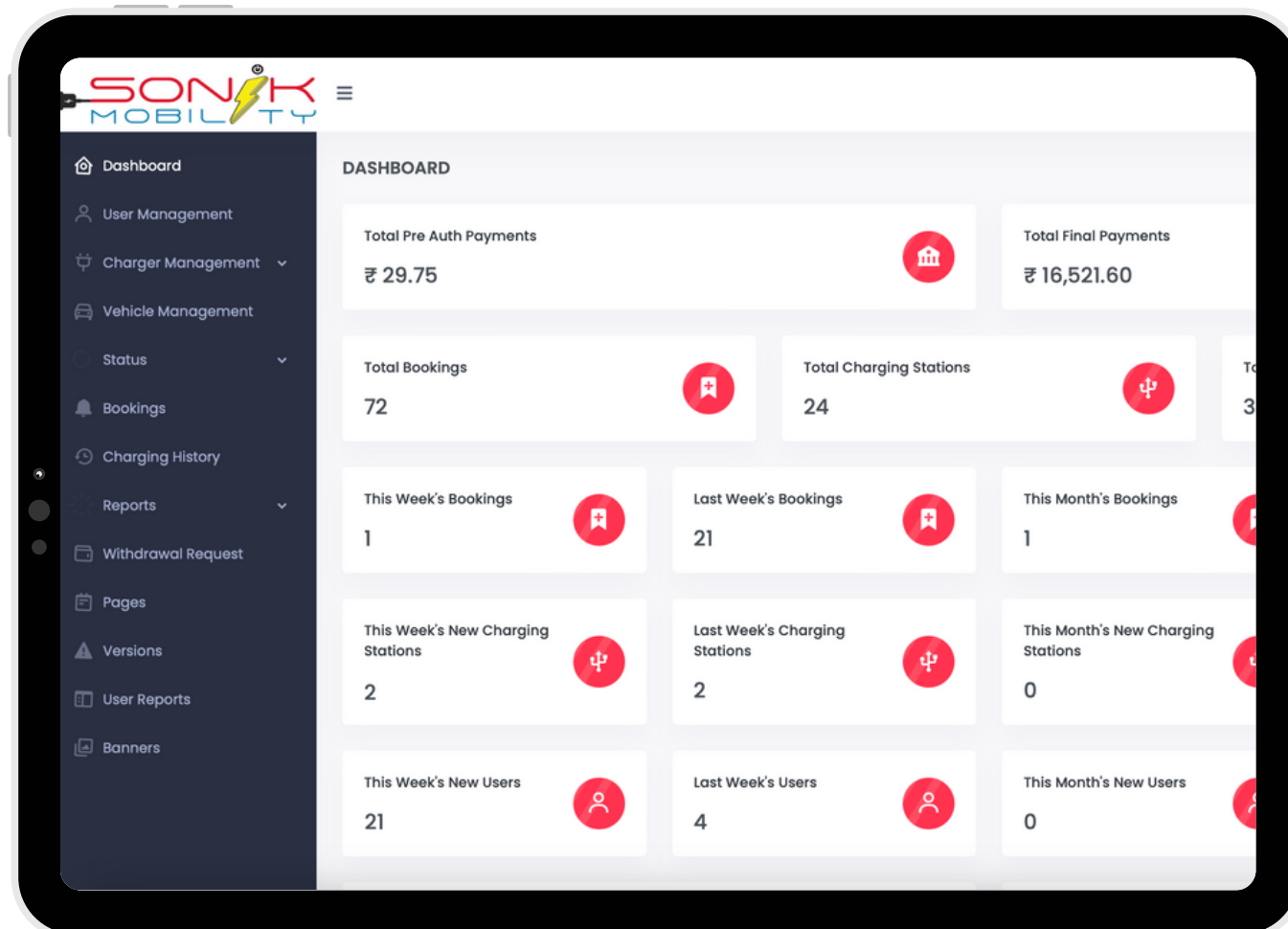
It empowers administrators with essential functionalities, including viewing detailed information on chargers, users, bookings, and charging-related data.

Moreover, administrators can seamlessly perform CRUD (Create, Read, Update, Delete) operations on charger and user data, ensuring efficient management and maintenance of the application's core components.

- Dependencies:
 - Vue Router: For client-side
 - Vuex: State management library

Backend Technologies

PHP



- The backend of our application comprises a PHP repository. PHP is a server-side scripting language well-suited for web development.
- It provides a set of APIs for managing various aspects of the application including booking management and charging listing etc.
- It powers various functionalities of our application, including payment processing with PhonePe gateway integration.
- Dependencies:
 - Laravel Framework: Leveraging Laravel enhances development efficiency.
 - PhonePe Gateway SDK: Integrated for seamless integration of the PhonePe payment gateway into our PHP backend.
 - Laravel Passport: Ensures secure access to our backend APIs.
 - Laravel Eloquent: Simplifying data manipulation and retrieval.
 - Laravel Horizon: Provides a dashboard and robust queue management system, optimizing performance and scalability.

Backend Technologies

Node js

Another crucial component of our backend architecture is the Node.js repository. Node.js allows us to build scalable and efficient server-side applications using JavaScript.

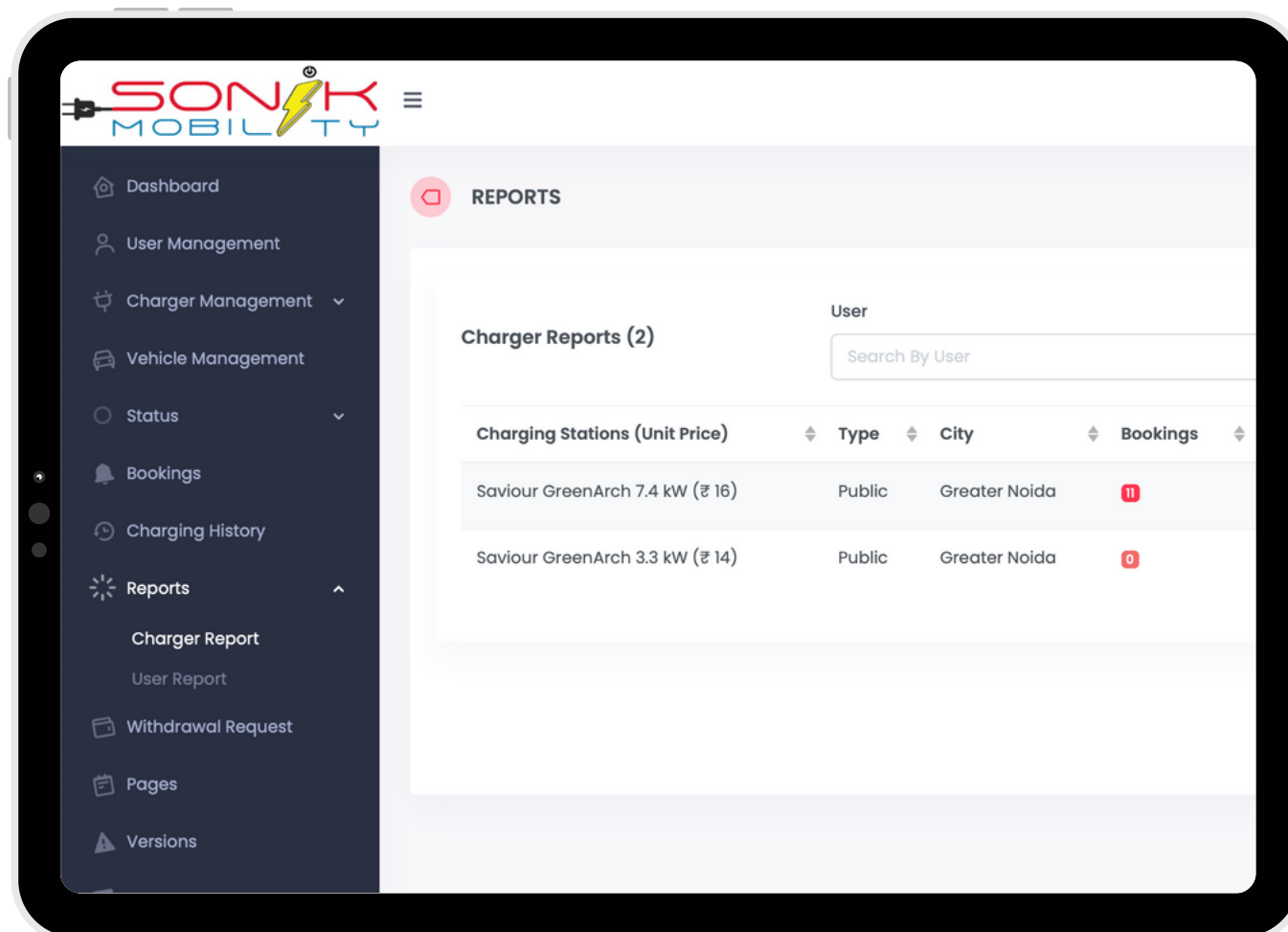
The Node.js repository handles the implementation of the Open Charge Point Protocol (OCPP) for vehicle charging. Leveraging WebSockets, it facilitates seamless communication between chargers and the backend.

Dependencies:

- Express.js Framework: Simplifies API development.
- class-sanitizer: Enables data sanitization.
- mysql: Facilitating interaction with MySQL databases.
- sequelize: Streamlining database interactions.
- ws: Enabling real-time communication between clients and servers.

Database

SQL



The backend of our application relies on a SQL database to store and manage data efficiently. SQL databases offer robustness, reliability, and scalability, making them suitable for handling large volumes of data and complex queries.



We believe that the combination of these technologies and frameworks ensures the reliability, scalability, and performance of Sonik Mobility. Should you have any further inquiries or require additional information, please do not hesitate to contact us.



**THANK
YOU**