MUKUL RAJPUT

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EDUCATION

Bachelor of Technology with 74.2%, ABES Institute of Technology 2020−2024

TECHNICAL SKILLS

Programming Language	Java
Frontend	HTML5, CSS3, JavaScript, React.js
Backend	Node.js, Express.js, Mongoose
Database	MongoDB, SQL
Developer Tools	VS Code, Postman, IntelliJ

EXPERIENCE

Frontend Development July 2023 − October 2023
At ABES Institute of Technology Ghaziabad

DoctorLink:

- Developed an online appointment booking platform, DoctorLink, using **JavaScript, React**, and **Bootstrap**, featuring a user panel for patients and an admin panel for managing 30+ doctors.
- User Authentication and Appointment Booking: Integrated secure user registration and sign-in functionality, enabled patients to book appointments with doctors from **10 specialties**.
- Admin Functionality: Designed an admin interface for adding new doctors, managing schedules, and overseeing appointments, ensuring streamlined healthcare management.
- Patient Feedback System: Integrated a doctor rating system, allowing patients to provide feedback after treatment, and improving overall rating by 20%.

PROJECTS

Cartify:

- Built a scalable e-commerce platform using **React**, handling over **50+** product listings and providing a smooth user experience for browsing and purchasing.
- Introduced advanced register and login functionality, and allowed users to sort products by categories, improving product discovery by **30%**.
- Merged shopping cart and order management system, providing users with the 100% ability to add, remove, and review items before purchasing.
- Achieved **100%** responsiveness across all devices by utilizing React's component-based architecture, ensuring consistent performance and user satisfaction.

CropIQ:

- Developed CropIQ, a machine learning-based recommendation system for **22 crops** using **Random Forest** and **Decision Tree** algorithms for accurate crop selection and disease diagnosis.
- Crop Recommendation System: Utilized classification techniques to analyze soil, weather, and crop data, providing farmers with the best crop recommendations, improving yield by **20%**.
- Fertilizer Recommendation: Integrated predictive models to recommend optimal fertilizers based on soil nutrients and crop type, enhancing resource efficiency by reducing fertilizer usage by 10%.
- Disease Detection: Implemented disease identification functionality, helping farmers detect and prevent crop diseases early, reducing losses by 15%.

Weather App:

- Real-Time Weather Data: Retrieves and displays real-time weather information, including temperature, humidity, and wind speed for any specified city. For example, temperature might be 22°C with 65% humidity, utilized the OpenWeather API for accurate data.
- User-Friendly Interface: Designed with a clean and intuitive interface, the app allows users to easily input city names and view weather conditions in under 3 seconds.
- Responsive Design: The app is 100% responsive, ensuring a seamless user experience across various devices, including desktops, tablets, and smartphones.