

MUKUL RAJPUT

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👛 Portfolio

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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

At ABES Institute of Technology

July 2023 – October 2023

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: Implemented secure user registration and sign-in functionality, enabling patients to book appointments with doctors from **10 specialities**.
- 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.
- Implemented advanced register and login functionality, and allowing users to sort products by categories, improving product discovery by **30%**.
- Integrated 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 using **Random Forest** and **Decision Tree** algorithms achieving an accuracy rate of 92% 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, utilizing 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.