

# 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

## INTERNSHIP

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 doctors.
- User Authentication and Appointment Booking: Implemented secure user registration and sign-in functionality, enabling patients to book appointments with doctors from multiple fields.
- 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, enhancing service quality.
- Responsive and Interactive Design: Leveraged React and Bootstrap for a **responsive UI**, ensuring a smooth experience across devices and optimizing performance for healthcare users.

## PROJECTS

### Cartify - E Commerce website using React:

- 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 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 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.
- Disease Detection: Implemented disease identification functionality, helping farmers detect and prevent crop diseases early, reducing losses by 15%.

### Weather App:

- Real-Time Weather Data: The app retrieves and displays real-time weather information, including temperature, humidity, and wind speed for any specified city, 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 quickly.
- Responsive Design: The app is 100% responsive, ensuring a seamless user experience across various devices, including desktops, tablets, and smartphones.