

Dhruv Kumar

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Summary

Detail-oriented and results-driven Electronics and Communication Engineering graduate with hands-on experience in both hardware and software projects. Strong foundation in embedded systems, circuit design, and core computer science subjects including Data Structures and Algorithms, Computer Networks, and Database Management Systems (DBMS). Proficient in using tools such as Arduino and various simulation software. Using technical skills and academic knowledge to contribute to innovative engineering solutions.

Technologies

Languages: Java, JavaScript

Frameworks: Node.js, Express.js

Tools: Visual Studio Code, Postman, GitHub

Databases: MongoDB, SQL

Others: REST API, HTML, CSS

Projects

Hospital Management System

Nov 2024 - Jan 2025

- Implemented secure authentication and role-based access control for Admin, Doctor, and Patient roles.
- Built RESTful APIs using Node.js and Express.js for backend logic and communication with MongoDB.
- Used MongoDB for efficient data handling, reducing manual record-keeping by 90
- Integrated React.js for a dynamic single-page interface, enhancing user experience.
- Added form validation, alerts, and error handling to improve reliability and usability.

Blog application

Feb 2025 - Feb 2025

- Implemented JWT-based authentication and role-based access for users.
- Developed RESTful APIs using Node.js and Express.js for post management and user operations.
- Utilized MongoDB for storing user data and blog content with efficient query handling.
- Integrated React.js for an interactive and responsive UI, providing seamless navigation and real-time updates.
- Added form validation, toast alerts, and error handling for improved user experience and reliability.

Education

Future Institute Of Engineering and Management

2021 – 2025

Bachelor of engineering in Electronics and Communication Engineering

Awards and Achievements

Participated in Hackathon, solving real-world challenges.
Got 3rd Prize in Technical project in college