

Mayank Kumar

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[Github](#)

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Summary

I am a motivated and B.Tech Computer science student with a strong background in computer science and software development. With expertise in MERN stack, Java, and web development, I have completed several projects that showcase my skills in creating scalable applications. My ability to implement secure authentication and efficient data management aligns with industry standards, making me a valuable asset in tech roles.

EDUCATION

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|---|------------------|
| ▪ B. Tech (CSE)
ABES Institute of technology, Ghaziabad | 2021-2025 |
| ▪ XII(CBSE)
KALA Niketan International School, Delhi | 2019-2020 |
| ▪ X(CBSE)
KALA Niketan International School, Delhi | 2017-2018 |

SKILLS

- **Programming Language:** C, C++, java, python.
- **Web Development:** HTML, CSS, JavaScript, React, Redux, Node.js, Express.js Tailwind, Bootstrap
- **Database Management:** MYSQL, MongoDB,
- **Version Control:** Git, GitHub
- **Software Development Tool:** Visual Studio Code, Eclipse

Technical Experience

Full Stack Project - Heal Zone (MERN STACK) [Link](#)

- Developed a full-stack **Doctor Appointment Booking System** using **React, Node.js, Express, and MongoDB**, enabling patients to book and manage doctor consultations online.
- Implemented **user authentication and role-based access control (RBAC)** using **JWT and bcrypt** to securely manage patients, doctors, and admin roles..
- Designed RESTful APIs in Express.js for **appointment management, doctor scheduling, and profile handling**, following MVC architecture.
- Deployed **frontend on Netlify, backend on Render**, and used **MongoDB Atlas** for cloud-based data storage.
- **Payment Integration:** Integrated Razorpay for secure payment processing and transaction management.

Full Stack Project - Nutrition Tracking App [Link](#)

- Developed a full-stack nutrition tracking application using **React.js, Node.js, Express.js, MongoDB, Supabase (PostgreSQL), and Socket.io**.
- Integrated **BMR/TDEE algorithms** for personalized calorie and macro goal generation during user onboarding.
- Implemented **real-time food logging and daily progress tracking dashboards** using Socket.io for live updates.
- Created **cron-based jobs and Supabase functions** to reset food logs and refresh goals every day.
- Designed responsive UI with **Tailwind CSS** and developed modular **RESTful APIs** for scalable integration.

Employee Management System (EMS) – Java

- Built a **Java-based HR system** for managing employee records and access control.
- Implemented **CRUD operations**, advanced search, and **role-based access control** for HR, managers, and employees.
- Utilized **JDBC with MySQL** for data storage and management.

CERTIFICATE

Java with DSA | [CERTIFICATE](#)

- Mastering fundamentals of java, oops (inheritance, encapsulation, abstraction, polymorphism), understand java concepts for web application like JDBC, Servlet, Hibernate, Spring, Thymleaf.
- Mastering Data Structure and algorithms, solve Question of DSA Topics include arrays, string, LinkedList, searching and sorting, recursion, queues, stack, backtracking etc.

Full Stack Development | [CERTIFICATE](#)

- Certified in Full-Stack Development with expertise in **MongoDB, Express.js, React.js, and Node.js (MERN Stack)**. Gained hands-on experience in building scalable web applications, RESTful APIs, authentication, state management, and deploying full-stack projects.