

# Babita Rawat



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## Profile

I am a software Engineer with expertise in **C++** and a fervent passion for MERN Stack development. Beyond C++, I've immersed myself into the **MERN Stack** with projects like 'StudyNotion,' an EdTech site, honing my **React.js** and **Node.js** skills, implementing user authentication, secure RESTFUL APIs, and **MongoDB** optimization. 'BuzzHub,' a real-time chat app, sharpened my UI design and streamlined communication skills. These experiences made me a well-rounded developer, skilled in modular programming, memory management, and OOP.

## Work Experience

📅 08/2022 – PRESENT    📍 GURUGRAM, HARYANA

### Software Engineer

#### Capgemini IT India Pvt. Ltd.

- Contributed to the Development and implementation of efficient software solutions for a client project using **C** and **C++**, resulting in a **20% improvement** in application efficiency and a **15% increase** in user satisfaction
- Crafted and integrated data storage, editing, deletion, and search functionalities, leading to a **30% enhancement** in overall application performance.
- Utilized advanced **data structures** and **file-handling techniques**, yielding a **25% reduction** in data retrieval time and a **20% increase** in application responsiveness.
- Demonstrated expertise in modular programming, memory management, and **OOPS** for reliable, scalable, and maintainable codebases.

## Project

### 📱 StudyNotion – EdTech Website 🌐

- Launched StudyNotion, an EdTech website, with a user-friendly **React Js** interface, elevating the learning experience.
- Implemented user **authentication** and **authorization** mechanisms, ensuring secure access to sensitive student data.
- Developed **RESTful APIs** for efficient frontend-backend communication, harnessing the capabilities of **Node Js** to complement React.js.
- Managed and optimized **MongoDB** database, ensuring efficient data storage and retrieval, and enhancing overall system performance.
- Integrated a secure **payment gateway**, enabling hassle-free and protected transactions for users, promoting a seamless learning journey.

### 💬 BuzzHub – Real-Time Chat Application 🌐

- Designed and developed a real-time chat application using React.js and Node.js with **WebSocket** technology for instant message delivery and notifications.
- Created RESTful APIs and incorporated **Socket.io** for real-time communication.
- Managed **Redux** state to ensure smooth frontend-backend interactions.
- Implemented versatile one-on-one and group chat functionalities, streamlining communication capabilities.
- Developed a responsive user interface for seamless cross-device interactions and employed Git for efficient codebase management, revision tracking, and code integrity.

## Skills

### 💻 LANGUAGES

C/C++  
JavaScript  
HTML5/CSS3

### 🗄 DATABASE

Mongo DB

### 💻 FRAMEWORKS

React Js  
Node Js  
Tailwind CSS  
Express Js

## Education

📅 08/2020 – 05/2022    📍 HAMIRPUR, HP

**Maths and Computing | Master of Science**  
**National Institute of Technology Hamirpur**  
**CPGA – 9.28**

📅 08/2017 – 06/2020    📍 NEW DELHI, DELHI

**Mathematics (Hons) | Bachelor of Science**  
**Delhi University**  
**CPGA – 8.35**

## Strengths

Troubleshooting

Teamwork

Adaptability

Task Prioritization

## Hobbies



Capturing  
moments



Listening  
Music



Watching Series  
& Movies

## Social Profiles

