

# ABHISHEK SINGH

**Portfolio:** <https://portfolio-abhishek-singh-techguy9810.netlify.app>

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## Education:

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**Bachelor of Computer Application (BCA)**

( 2021 - 2024 )

Institute of Information Technology & Management (IPU)

**CGPA: 8.5 /10**

**Relevant Coursework:** Object Oriented Programming, javascript, java, c++, c, Operating Systems, DBMS, Computer Networks, Discrete Mathematics, Deep learning, machine learning, Discrete Mathematics.

## Skills:

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**Languages:** C++, Javascript

**IT Constructs:** DBMS, Operating Systems, Computer Networks, Object Oriented Programming

**Web Development:** Javascript, React.js, express.js, node.js, MongoDB, SQL, tailwind, Gsap, Zustand, Redux toolkit, CSS, HTML, Next.js, Typescript.

## Projects:

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### AI Chat App ( using Google's Gemini API )

[Live Link](#) [Github](#)

An AI Chat APP where users can ask queries and get answers, with chat history stored in a database, having smooth authentication using Clerk. The app is developed using MERN Stack.

- Users can send Pictures or text to the GPT and get an answer.
- I Integrated Google's Gemini API to develop it.
- Fully mobile and desktop-friendly site.

### Realtime Messaging web app

[Live Link](#) [Github](#)

A real-time messaging web app using MERN, where users can message each other and see who is online and who is currently typing a message. I used socket.io for real-time communication.

- Users can send & download Files, photos, videos and emojis.
- Implemented real-time typing feature & online feature.
- Fully mobile and desktop-friendly site.
- Used Zustand for managing messages.

### Hotel Reservation Site

[Github](#) [Live Link](#)

Developed a responsive Full Stack Hotel Reservation site where users can search hotels based on prices, check available rooms and book their preferred rooms.

- Integrated (Razorpay) payment gateway.
- Implemented mail verification using nodemailer & User Authentication with bcrypt.js
- I used useContext for saving user info and also used custom hooks.
- Optimised performance by 35% using methods like useMemo to reduce rerenders & lazy loading to reduce the loading period.

## Achivements & Certifications:

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### Won 1st prize in intra-college hackthon for SIH.

- I developed a site with the help of my team which can help people to book garbage collection services.
- Implemented ticket tracking, ticket generation, and user authentication.

**Meta Frontend Development** - Coursera (Remote)

**Web Development (MERN)** - InterNexus (offline)

**C++** Coding Ninja (Remote)