

Tridev Kumar Sahu

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PROFESSIONAL SUMMARY

Detail-oriented BCA student with a strong technical foundation in full-stack web development, specializing in JavaScript and Python. Hands-on experience building interactive web applications, implementing dynamic logic, and writing optimized backend scripts. Adept at mobile-focused development and rapid problem-solving. Seeking a web development internship to contribute to high-impact, real-world projects.

TECHNICAL SKILLS

- **Languages:** JavaScript, HTML/CSS, Python, C, C++
- **Frameworks & Libraries:** React, Next.js, Node.js
- **Databases:** MongoDB, SQL, MySQL
- **Tools & Technologies:** Socket.io, Git, GitHub, JWT, Bcrypt

PROJECTS

1. Real-Time Messaging App (Pro-Chat)

Next.js, MongoDB, Socket.io, JWT, Bcrypt

[GitHub](#) | [Live Demo](#)

- Built a full-stack chat app using Next.js for both frontend UI and backend API routes.
- Integrated Socket.io for real-time messaging and live typing indicators.
- Secured user accounts using Bcrypt password hashing and JWT session management.
- Structured MongoDB schemas to store user profiles and continuous chat history.

2. Typing Speed Test

HTML5, CSS3, JavaScript (ES6+)

[GitHub](#) | [Live Demo](#)

Created a responsive web app that calculates typing WPM and accuracy in real time.

- Used vanilla JavaScript for keyboard event listeners and dynamic text highlighting.
- Managed timers and game states efficiently to prevent UI lag.

3. Web Games Hub

HTML5 Canvas, CSS3, JavaScript, Git

[GitHub](#) | [Live Demo](#)

- Developed a 4-game suite (Breakout, Snake, Chess, Tic-Tac-Toe) using plain web tech.
- Coded 2D physics and collision detection from scratch using HTML5 Canvas.
- Implemented turn-based logic, move validation, and win-condition checks.
- Hosted and deployed the platform using GitHub Pages.

EDUCATION

- **Bachelor of Computer Applications (BCA)** | GDC Dharamshala (HPU) | Jul 2025 – Present
- **Computer Operator & Programming Assistant (COPA)** | ITI Dharamshala | Sep 2024 – Aug 2025