

RATANABH SHARMA

+91 6283531856 | ratanabhsharma@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Passionate Electronics & Communication graduate with strong expertise in software development, front-end technologies, and full-stack solutions. Skilled in JavaScript (React, Next.js, TypeScript), Python, and database management with PostgreSQL and Firebase. Seeking a software engineering role to apply my skills in web development, backend architecture, and scalable application design.

EDUCATION BACKGROUND:-

Chitkara University	B.E. Electronics and Communications	CGPA: 7.13	2020-2024
Play Ways Sr. Sec School	Senior Secondary School (Science Stream, PCM)	60.61%	2019-2020

TECHNICAL SKILLS:-

- **Frontend Development:** HTML, CSS, JavaScript, React.js, Next.js, TypeScript, Tailwind CSS, Bootstrap
- **Backend Development:** Node.js, PHP, Firebase, PostgreSQL, Supabase
- **Programming Languages:** Python, C/C++, Java
- **Tools & Platforms:** Git, WordPress, VS Code, Stripe API

Work Experience:-

Stupeer by Codeshod | Front-End Developer Intern

Jan 2024 – Jun 2024

- Developed and optimized interactive front-end components using React.js and Tailwind CSS.
- Improved UI performance by 30% through optimized rendering and state management.
- Implemented responsive and accessible designs, enhancing user experience across devices.
- Worked closely with backend engineers to integrate APIs and ensure seamless data fetching.

Freelance Web Developer

Sept 2024 – Oct 2024

- Optimized a live astrology website, enhancing performance and user experience.
- Added e-commerce and chat features using WordPress and PHP.
- Improved responsiveness and loading speed for seamless cross-device navigation.
 - Project Link: [Astrologer S.K. Verma](#)

Projects:-

- **AI Assistant (Jarvis) (IoT & Automation)**
 - Tech Used: Arduino Uno, Python, Speech Recognition
 - Built a voice-controlled AI assistant for home automation.
 - Implemented device control, music playback, and web search functions.
- **Personal Portfolio**
 - Built a personal portfolio website using Next.js and Typescript.
 - Implemented server-side rendering for enhanced performance and utilized next/font for optimized loading.
 - Managed development with npm for a streamlined workflow.
 - Ensured a responsive design with structured HTML, CSS, and JavaScript
- **Facial Attendance System**
 - Tech Used: Raspberry Pi, Python, Firebase, OpenCV
 - Designed a biometric authentication system integrating facial recognition & fingerprint scanning.
 - Implemented secure cloud-based attendance tracking using Firebase.
 - Integrated real-time image processing via Raspberry Pi camera module

EXTRA-CURRICULAR ACTIVITIES & ACHIEVEMENTS

- OCTAHACK 3.0 IDEATION 2020 – Backed 3rd position
- Part of CODE CHEF CUIET society as executive of Promotion team (2021-2022)
- Part of IEEE society as executive of organizing team (2021-2022)
- Organized several Events in E-Buzz club as an executive and as Media Head of the club. Some events are as follow April fool's day (2022), Hindi Divas (2022), and many more. (2020-Present)
- Organized the Hackathon as a one of the team leads (Techack-3.0) (January 2023)
- Media Head of college cultural club (E-BUZZ) (2020-2022)