

# Vivek Kumar Verma

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## SUMMARY

Full-Stack Developer skilled in building scalable and responsive web applications using the **MERN stack**. Experienced in **real-time systems, secure authentication, RESTful APIs, and UI optimization**. Passionate about solving real-world problems through clean, efficient code and collaborative development.

## EDUCATION

<b>Roorkee Institute of Technology</b> Bachelor of Technology in Computer Science	2022 – 2026 Roorkee, Uttarakhand
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## EXPERIENCE

<b>Cognifyz Technologies (Virtual)</b> Full Stack Development Intern	Remote Aug 2025 – Sep 2025
<ul style="list-style-type: none"><li>Worked on full-stack web development using the <b>MERN stack (MongoDB, Express.js, React.js, Node.js)</b>.</li><li>Collaborated on real-world projects involving frontend and backend integration.</li><li>Applied modern UI principles, <b>RESTful APIs</b>, and <b>responsive design</b> practices.</li></ul>	

## TECHNICAL SKILLS

**Languages:** C++, JavaScript, Python

**Frameworks:** React, Node.js, Material-UI, Tailwind CSS

**Databases:** MongoDB, MySQL

**Other Technologies:** Git, REST, Render, Vercel, WebSockets

## PROJECTS

<b>Authentication System</b> ( <i>Node.js, Express.js, MongoDB, JWT, bcrypt</i> )	April 2025 – June 2025
<ul style="list-style-type: none"><li>Developed a secure user registration and login system.</li><li>Implemented <b>role-based access control</b> and protected routes using <b>JWT tokens</b>.</li><li>Handled user sessions, token expiration, and refresh logic for better security.</li><li>Integrated form validation and error handling for robust user interaction.</li></ul>	
<b>Chat Application</b> ( <i>MongoDB, React, Node.js, Express.js, Socket.io</i> )	Aug 2025 – Oct 2025
<ul style="list-style-type: none"><li>Developed a full-stack <b>real-time chat application</b> with React frontend and Node.js backend.</li><li>Implemented <b>WebSocket</b> communication using <b>Socket.io</b> for instant messaging and notifications.</li><li>Added user authentication with <b>JWT</b> and <b>MongoDB</b> for secure login and message storage.</li><li>Designed responsive chat UI with real-time updates and active user indicators.</li></ul>	
<b>E-Commerce Website</b> ( <i>React.js, Node.js, Express.js, MongoDB, Tailwind CSS</i> )	Dec 2024 – Feb 2025
<ul style="list-style-type: none"><li>Designed and developed a fully <b>responsive e-commerce platform</b>.</li><li>Implemented product listings, search, filters, cart, and checkout functionality.</li><li>Used reusable components and <b>React hooks</b> for dynamic UI rendering.</li><li>Backend APIs handled product data, user orders, and authentication.</li></ul>	

## CERTIFICATIONS & ACHIEVEMENTS

### Python for Data Science – IBM (2023)

- Earned IBM certification covering Python programming, data analysis, and visualization.
- Gained hands-on experience using **NumPy, Pandas, and Matplotlib** for real-world data analysis tasks.

### C Programming Certificate – IIT Bombay (2023)

- Completed certification through **Spoken Tutorial**, IIT Bombay, gaining practical programming and problem-solving skills.
- Built a strong foundation in **C syntax, control structures, and memory management**.