

# VINAY H C

Hassan, Karnataka | (+91) 8088589996 | [vinayhc.webdev@gmail.com](mailto:vinayhc.webdev@gmail.com) | [linkedin.com/in/vinay-h-c](https://linkedin.com/in/vinay-h-c) | [github.com/Vinay-webDev](https://github.com/Vinay-webDev) | [vinayhc.vercel.app](https://vinayhc.vercel.app)

## Professional Summary

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Results-driven **Full-Stack Developer** with expertise in the **MERN stack**, specializing in building scalable, user-centric applications. Strong ability to design, implement, and optimize solutions for high performance and security. Passionate about modern web technologies and delivering seamless user experiences.

## Technical Skills

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- **Programming Languages:** Python, JavaScript, Java
- **Libraries & Frameworks:** React.js, Next.js, Node.js, Express.js, Zustand, Tailwind CSS
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools:** Git, GitHub, Postman
- **Deployment Platforms:** Vercel, Render

## Projects

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

- **Engineered** a scalable MERN-based e-commerce platform, sustaining **1,000+ concurrent users** in load tests. **Optimized** API performance with Redis caching, cutting query times by **40%**.
- **Secured** authentication via **JWT access & refresh tokens**. **Integrated** Stripe for seamless transactions. **Developed** an admin dashboard with **real-time sales analytics** for data-driven decisions.
- **Optimized** state management with Zustand, **reducing re-renders by 30%** and **boosting performance by 40%** over React's useEffect-based approach. **Implemented** a coupon system, driving engagement and sales.

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

- Developed a **responsive** portfolio using **React.js** to highlight projects and technical expertise.
- **Optimized SEO and performance**, ensuring fast load times and improved visibility.
- Designed an **intuitive UI** with seamless navigation for an enhanced user experience.

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

- Engineered **MERN stack** application with **full CRUD functionality**, demonstrating proficiency in full-stack development. Designed and implemented **RESTful APIs** using Node.js and Express.js for efficient backend operations and MongoDB database interactions.
- Created responsive UI with React.js and Chakra UI, ensuring an optimal user experience across devices. Deployed the application, showcasing **comprehensive end-to-end development** skills.

## Certifications

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- **JavaScript Algorithms & Data Structures** – freeCodeCamp | [View Credential](#)
- **Problem Solving (Basic)** – HackerRank | [View Credential](#)
- **Python Developer** – Sololearn | [View Credential](#)

## Education

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- **B.E.** Government Engineering College, Hassan – **6.5 CGPA**
- **Pre-University**, BGS PU College, Hassan – **80.33%**
- **High School**, Government High School, Hassan – **88.32%**