



# VAIBHAV SHUKLA

## WEB DEVELOPER

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### EDUCATION

#### **Master of Computer Applications (MCA)**

*KNIT, Sultanpur*

2023 – 2025

CGPA: 8.02

MCA student skilled in full-stack web development with hands-on experience building scalable MERN stack applications. Proficient in React, Node.js, MongoDB, Tailwind CSS, and Firebase, with expertise in REST APIs, real-time chat, and AI integrations. Developed and optimized projects including admin dashboards, blogs, and social media platforms, delivering performance-driven, user-centric solutions.

#### **Bachelor of Science (B.Sc.)**

*G.F. College, Shahjahanpur*

2018 – 2021

Percentage: 60.10 %

### TECHNICAL SKILLS

#### **Languages**

JavaScript, Java

#### **Frontend Technologies**

- Next.js, React  
(4 ★ on HackerRank in React)

#### **Backend Technologies**

Express.js

#### **Databases**

MySQL, MongoDB, Firebase

#### **Version Control**

Git, GitHub

#### **Tools & Frameworks**

Node.js, Object-Oriented Programming (OOP), Tailwind CSS, Bootstrap, OpenAI

### PROFILE

### PROJECTS

#### **Instagram-Clone**

[Github](#)

02/2025-06/2025

- Engineered a full-stack social media platform replicating Instagram's core features - including user authentication, image uploads, likes, comments, and real-time notifications.
- Developed and secured RESTful APIs with Express.js and MongoDB, implementing authentication, authorization, and CRUD operations for scalable backend performance.
- Integrated Socket.IO to enable real-time messaging and instant notifications for likes, comments, and follows, enhancing user interactivity and engagement.
- Designed a responsive and modular UI with Tailwind CSS and Redux Toolkit for efficient state management, improving rendering performance and UX across all devices.

#### **Chatting App**

[Github](#)

07/2025-10/2025

- Developed a real-time chat platform using Socket.IO, enabling instant one-on-one messaging with AI assistant integration, video calling, and media sharing for an enhanced communication experience.
- Implemented secure authentication with JWT and cookie-based sessions, ensuring protected access, persistent logins, and data privacy across sessions.
- Designed and optimized reusable React components and responsive Tailwind CSS UI, improving development speed and cross-device user experience by over 40%.
- Enhanced app scalability and performance through efficient socket management, modular backend structure, and seamless integration of AI-driven conversational features.

#### **Blog-App**

[Github](#)

10/2024-01/2025

- Built a responsive full-stack blog platform using the MERN stack, allowing users to seamlessly create, edit, and manage posts with smooth front-end and back-end integration.
- Implemented JWT-based authentication and role-based routing, ensuring secure access control, data protection, and personalized user experiences.
- Enhanced performance and engagement by optimizing dynamic post rendering and enabling real-time UI updates, improving interaction efficiency by 40%.

### ADDITIONAL SKILLS

- Debugging & Logical Thinking
- Team Communication
- Continuous Learning