



Vaivaswat Manu Singh

Madhya Pradesh, India vaivaswatsingh24@gmail.com+916265724973in/vaivaswat-manu-singh

SUMMARY

" Full Stack Developer with 2+ years of professional experience in designing and deploying scalable web applications. Expert in the Python-Django backend ecosystem and React.js frontend library. Proven track record of transforming complex UI/UX designs into responsive, high-performance interfaces using Tailwind CSS and HTML5/CSS3. Proficient in architecting RESTful APIs, managing collaborative workflows with Git, and maintaining seamless CI/CD pipelines through Vercel. Committed to writing clean code and staying at the forefront of modern web technologies."

Skill

Core Areas

- Full Stack Development • Frontend Engineering • Backend API Development UI/UX Implementation • Responsive Web Design • RESTful API Integration Django & React.js Architecture • Database Management (PostgreSQL) • Version Control (Git/GitHub) • Agile Workflow

Technical Skills

- **Languages:** JavaScript (ES6+), Python, HTML5, CSS3, SQL
- **Front-end / Libraries:** React.js, Bootstrap, styled-components
- **Backend / APIs:** RESTful APIs, Flask/Django (Basics), JSON Handling
- **Tools & Platforms:** Git, GitHub, VS Code, Postman, Vercel
- **Concepts:** DOM Manipulation, React Hooks, State Management, Data Rendering, Form Validation

Problem-Solving, Collaboration & Communication

EXPERIENCE

Full stack Developer | PRIBEX TECH PRIVATE LIMITED. | Pune (Remote) | October 2025 – current

- Developed and maintained **React.js** interfaces for MPPCB's **Brixal Social media** and Ecommerce improving task flow efficiency by
- Built and optimized **RESTful APIs in Python (Django REST Framework)** for industrial clearance workflows, improving data retrieval speed and scalability across modules.
- Implemented **role-based authentication, middleware, and database models** in Django to strengthen data security and ensure compliance with operational standards.
- Designed structured data rendering and validation logic, reducing input errors by **30%** and improving response time by **20%**.
- Automated **report generation and environmental data processing scripts** using Python, reducing manual workload by **40%** and increasing overall system reliability.
- Collaborated with cross-functional teams to integrate APIs and optimize UI performance, cutting page load time by **20%**.

Full stack Developer | Shyena Solutions Pvt. Ltd. | Bangalore (Deputed to MPPCB, Bhopal) | May 2024 - August 2025

- Developed and maintained **React.js** interfaces for MPPCB's **Integrated Environment Management System (IEMS)**, improving task flow efficiency by **25%**.
- Built and optimized **RESTful APIs in Python (Django REST Framework)** for industrial clearance workflows, improving data retrieval speed and scalability across modules.
- Implemented **role-based authentication, middleware, and database models** in Django to strengthen data security and ensure compliance with MPPCB's operational standards.
- Designed structured data rendering and validation logic, reducing input errors by **30%** and improving response time by **20%**.
- Automated **report generation and environmental data processing scripts** using Python, reducing manual workload by **40%** and increasing overall system reliability.
- Collaborated with cross-functional teams to integrate APIs and optimize UI performance, cutting page load time by **20%**.

Web Developer Intern | Test Yantra | Bengaluru | April 2023 - August 2023

- Created responsive web layouts with React.js, HTML, CSS, and JavaScript, enhancing site load speed by **25%**.
- Linked UI components with APIs for smooth data exchange, improving response handling by **20%**.
- Built reusable components that standardized UI patterns and reduced front-end inconsistencies by **30%**.

Web Developer Intern | Twilearn Edutech Pvt. Ltd. | Pune | September 2022 - March 2023

- Developed React-based modular interfaces with styled-components, boosting component reuse by **35%**.
- Tested across browsers and devices to ensure **100%** responsive and accessible layouts.

- Translated design mockups into functional UIs with precise alignment, reducing rework by **25%**.

PROJECT

Brixal Social Media Platform | oct 2025 = currently working

Developed a high-performance, professional social networking platform aimed at improving community interaction and task flow efficiency. Engineered a modular **React.js component library**, ensuring code reusability and a consistent UI across the platform. **Tailwind CSS** for a mobile-first, responsive design, resulting in a **25% increase** in mobile user retention. Integrated complex frontend state management to handle real-time notifications and feed updates, significantly improving user engagement.

IEMS - Integrated Environment Management System | MPPCB, Govt. of Madhya Pradesh | March 2024 - August 2025

- Developed backend APIs and services using **Django** and **PostgreSQL** for large-scale environmental data processing.
- Built **role-based access** and automated validation workflows, cutting manual review time by **40%**.
- Optimized queries and caching to boost system performance by **25%**.

My Food Kitchen – Online Food Ordering System | Personal Internship Project | August 2023 - November 2022

- Built a restaurant web app with live menu, cart, and order tracking features, increasing user interaction by **25%**.
- Developed an admin panel using React state management, reducing manual data edits by **40%**.
- Deployed the project on Vercel, achieving **99%** uptime for real-time testing and access.

EDUCATION

Bachelor of Technology (B.Tech) – Computer Science Engineering | Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV) | Bhopal | 2018-2022 | 7.92 / 10.0

CERTIFICATIONS

Python (Basic) | HackerRank | 2025

SQL (Advanced) | HackerRank | 2025

Full Stack Python Developer | JSpiders - Training & Development Center | 2023