

VITTHAL SAWANT

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SUMMARY

Versatile Full Stack Developer with a strong background in building scalable web applications using the MERN stack, along with 6 years of teaching experience in electronics and programming. Proficient in React, Node.js, MongoDB, Express, and Tailwind CSS, I excel in creating dynamic websites focused on performance and user satisfaction. Passionate about integrating AI and IoT technologies, I have delivered innovative projects—from an AI Recipe Generator to an IoT & AI Based Smart Farm Control system. Currently, I am honing my front-end skills as a Jr. Front-end Developer Intern at AUROSKKIL.

WORK EXPERIENCE

AUROSCKIL | Kharadi, Pune Jr. Front-end Developer Intern

July/24 – January/25

- Engaged as a Jr. Front-end Developer Intern in the IT department, participating in intensive training and hands-on development projects.
- Collaborated with cross-functional teams to design and implement responsive, user-friendly interfaces using HTML, CSS, JavaScript, and React.

Synexoo | Remote Full Stack Software Developer Intern | [Link](#)

July/24 – Aug/24

- Designed and developed a complete Learning Management System (LMS) with dynamic frontend components and robust backend functionality, significantly improving user experience.
- Implemented Firebase Authentication for secure user login and role management, reducing unauthorized access by 100%.

Govt. ITI Dodamarg | Electronics Instructor

2018 - 2024

- Taught electronics engineering and embedded programming, emphasizing circuit design and microcontroller programming.
- Mentored students through hands-on projects, enhancing critical problem-solving and programming skills.

PROJECTS

IoT & AI Based Smart Farm Control | Smart Agriculture Management System | [Link](#)

Dec/24-Jan/25

- Engineered a smart farm control system using ESP8266 sensors to collect real-time farm data.
- Developed an Express.js backend to process sensor data and serve it to a React & Vite-powered frontend.
- Integrated Appwrite for secure user authentication, enabling users to add and update their farm data.
- Provided AI-powered insights allowing users to query detailed farm information based on sensor data.

Bookstore Application | Full Stack MERN E-commerce Platform | [Link](#)

Sept/24-Oct/24

- Built a scalable bookstore platform using the MERN stack, achieving 99% uptime and 40% faster page load times.
- Integrated Firebase Authentication for user roles and created an admin dashboard for streamlined book management.

Mock Test Platform | Online Assessment Application | [Link](#)

July/24-Aug/24

- Developed a React-based online testing platform using an Appwrite backend to support concurrent users, achieving 95% mobile compatibility and a 70% boost in user engagement.
- Implemented real-time progress tracking and role-based authentication, significantly reducing unauthorized access.

Real-time Chat Application | Interactive Communication Platform | [Link](#)

July/24

- Created a scalable chat system using Socket.io, supporting 1000+ simultaneous connections with <100ms latency for real-time communication.
- Designed an intuitive UI with React and Tailwind CSS, garnering 95% positive feedback from users.

SKILLS

- Frontend: React, HTML5, CSS3, JavaScript, Tailwind CSS, Bootstrap
- Backend: Node.js, Express.js, MongoDB, Firebase, MySQL, REST APIs, WebSockets, Socket.io
- DevOps & Tools: Git, GitHub, Vercel, Postman, Docker, CI/CD pipelines
- Programming Languages: JavaScript, Python, C++, C
- Additional Expertise: Circuit Design, Embedded Systems, Data Analysis (Python, R, SQL),

EDUCATION

Trinity College of Engineering, Pune | Electronics and Telecommunication Engineer (2023 – 2024)

- Specialized in circuit design, programming, and embedded systems, forming a strong foundation for transitioning into full-stack development.

Data Science Certification (Careerera, 2024)

- Completed a comprehensive course in machine learning, data analysis, and visualization using Python, R, SQL, and Tableau.

ACHIEVEMENTS & CODING

- Achieved a 3-Kyu rating in JavaScript on Codewars, demonstrating advanced problem-solving skills and commitment to continuous learning. [View Portfolio](#)
- Built a portfolio of 20+ repositories on GitHub, showcasing full-stack projects, algorithms, and real-world applications. [View Portfolio](#)