

Shubham Dattatray Asole

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Aspiring Software Engineer with strong Java/JavaScript skills, focused on building scalable backend systems and clean, efficient web applications

Skills

Programming Languages: Java, JavaScript, Python, SQL, HTML5, CSS3.

Core CS Concepts: Data Structures & Algorithms, OOP*, DBMS*, Operating Systems*

Frameworks & Tools: Node.js, Express.js, MySQL, MongoDB, Mongoose, EJS, React, Redux, Bootstrap, Tailwind CSS, Git, VS Code.

Education

BTech in Electronics and Communication Engineering

Indian Institute of Information Technology Design and Manufacturing, Kancheepuram

2022 – Present

Key Projects

StatzHub – Full-Stack Trading & Investment Platform

— [GitHub]

- Developed a comprehensive full-stack MERN trading platform inspired by Zerodha (Kite), featuring a marketing website and a fully functional trading dashboard (Orbit).
- Built modular RESTful APIs using **Node.js** and **Express.js**; designed scalable data models in **MongoDB (Mongoose)** for users, orders, positions, and holdings.
- Implemented secure **JWT**-based authentication with protected routes, token validation middleware, and seamless login redirection between the marketing site and dashboard.
- Engineered a dedicated trading dashboard with modules such as **Watchlist**, **Holdings**, **Positions**, **Orders**, and **Summary**, powered by React and Context API.
- Integrated visual analytics including doughnut and vertical bar charts using **Chart.js** and **react-chartjs-2** to display portfolio distribution and performance insights.
- Designed **Buy/Sell action windows** for simulated trades, showcasing event-driven UI interactions and mock backend operations that reflect real trading flows.
- Created a modern, responsive marketing website with multiple sections (Home, Products, Pricing, About, Support) using **React**, **React Router**, and reusable functional components.
- Established a clean multi-app folder architecture (frontend + dashboard + backend) enabling clear separation of concerns and production-ready scalability.

GoBnB – Full-Stack Accommodation Booking Platform

[Live Demo] — [GitHub]

- Developed a full-stack web app inspired by Airbnb for property listings and bookings.
- Built RESTful APIs with **Node.js** and **Express.js**; integrated **MongoDB (Mongoose)** for data modeling.
- Implemented authentication & session management with **Passport.js**, **express-session**, and **connect-flash**.
- Integrated **Cloudinary** for image uploads and **Mapbox** for interactive maps & geocoding.
- Used **Joi** for data validation, followed MVC architecture, and optimized front-end with **EJS-Mate** & Bootstrap.

Weather Widgets – React + OpenWeatherMap API App

[GitHub]

- Built a responsive weather application using **React** and **Vite**, powered by the **OpenWeatherMap API**.
- Implemented real-time weather fetching with temperature, humidity, and sky condition data for any city.
- Designed modular components (**SearchBox**, **InfoBox**, **WeatherApp**) for scalability and reusability.
- Styled with **Material UI** and **CSS**, ensuring a sleek and modern user experience.
- Demonstrated proficiency in **API integration**, state management, and environment variable configuration.

Internship Experience

Embedded Systems Intern

Startrit Infratech Pvt Ltd — May 2025 – July 2025

- Contributed to automation and robotics projects for smart infrastructure solutions.
- Developed modules integrating sensors, motor drivers, and real-time control logic using Python & C.
- Built a prototype robotic system (Raspberry Pi + UART) and validated functionality through dataset testing.
- Assisted in data-driven inspection workflows and MATLAB-based simulations.