Shubham Dattatray Asole

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Aspiring Software Developer skilled in Java, JavaScript, and backend engineering. Experienced in building scalable REST APIs, full-stack applications, and data-driven systems. Strong foundation in DSA, database design, system design basics, and modern development workflows.

Skills

Languages: Java, JavaScript, Python, SQL, HTML5, CSS3.
Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Networking (basics).
Frameworks/Tools: React, Node.js, Express.js, MongoDB, MySQL, JWT, Redux, Git, REST APIs, Vite.
Testing & Debugging: Jest, Postman, API testing, Chrome DevTools.
Developer Tools: VS Code, GitHub, Bash Scripting, Cloudinary, Mapbox.
Soft Skills: Problem-solving, collaboration, communication, adaptability.

Education

B.Tech in Electronics and Communication Engineering
Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram   *Nov 2022 – May 2026*

Key Projects

StatzHub – Full-Stack Trading & Investment Platform   — [GitHub]

- Engineered a production-ready MERN trading platform inspired by Zerodha, featuring a marketing site and a full trading dashboard.
- Designed modular, scalable REST APIs using **Node.js + Express**; implemented data models in **MongoDB (Mongoose)** for users, orders, positions, and holdings.
- Implemented secure authentication using **JWT**, middleware-based route protection, and multi-app token sharing.
- Developed key dashboard modules: **Watchlist, Holdings, Orders, Positions, Summary** with React and Context API.
- Integrated portfolio analytics with **Chart.js** to visualize performance and asset distribution.
- Built a responsive marketing website using React, reusable components, and React Router.

GoBnB – Accommodation Booking Platform   [Live Demo] — [GitHub]

- Developed a full-stack accommodation booking platform inspired by Airbnb.
- Built REST APIs with **Node.js + Express** and structured backend logic using MVC.
- Implemented authentication using **Passport.js** and persistent sessions with **express-session**.
- Integrated **Cloudinary** for image uploads and **Mapbox** for geocoding and interactive maps.
- Applied **Joi** validation for robust and secure data handling.

Weather Widgets – React + OpenWeatherMap API App   [Live Demo] — [GitHub]

- Built a modular weather application using **React + Vite**, consuming the **OpenWeatherMap API**.
- Implemented real-time weather retrieval including temperature, humidity, and sky conditions.
- Developed reusable components (**SearchBox**, **InfoBox**, **WeatherApp**) to improve maintainability.
- Styled using **Material UI** and CSS for a modern user interface.

Integration-Focused Micro Projects

- **Simon Says Game:** Event-driven JavaScript game with modular logic and clean component structure.
- **Snake Game:** Implemented collision logic, animations, keyboard controls, and state updates.
- Demonstrated strong debugging, modularization, and UI logic handling.

Internship Experience

Embedded Systems Intern   *Startrit Infratech Pvt Ltd — May 2025 – July 2025*

- Worked on automation modules involving sensor integration and control logic.
- Implemented Python and Embedded C scripts for data processing and system testing.
- Built and validated a Raspberry Pi–based prototype using UART communication.
- Supported data analysis and workflow automation using MATLAB tools.

Position of Responsibility

Hostel Affairs Coordinator   *IIITDM Kancheepuram — Mar 2023 – Apr 2024*
Managed operations for 1000+ hostel residents, led volunteers, and coordinated large-scale events.