Harsh Singh

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GitHub/ Harsh-Singh007 — Portfolio/ harshsinghrajput.netlify.app

Summary — MCA student with a computer science background, passionate about web development. Skilled in building dynamic applications using the MERN stack, with strong expertise in JavaScript ES6+ and front-end development using React.js. Eager to learn new technologies and solve real-world problems through clean, efficient code.

Skills

Frontend: React.js, HTML, CSS, Tailwind CSS, JavaScript

Backend: Node.js, Express.js

Database: MongoDB, MySQL

Programming: JavaScript (ES6+), Java

Core CS: DSA, OOP

Tools: Git, GitHub

Experience

TCA Technology **24 Oct 2023 – 24 Mar 2024**
Web Developer Intern

- Worked on a multi-vendor e-commerce platform using the MERN stack (MongoDB, Express.js, React, Node.js).
- Developed core features to enhance both vendor and customer experience.
- Collaborated with designers, product managers, and developers to build a scalable and responsive application.
- Managed MongoDB for efficient data storage, schema design, and retrieval operations.
- Implemented secure user authentication using JWT and OAuth.
- Troubleshot and resolved frontend and backend bugs to ensure smooth functionality.
- Gained hands-on experience in full-stack development and building complete production-level applications.

Intel **29 May 2023 – 19 Jul 2023**
Intel® Unnati Industrial Training – Summer 2023

- Identified the need to improve ATM operations using a Finite State Machine (FSM) approach.
- Analyzed ATM functionalities such as withdrawals, deposits, balance inquiries, and fund transfers.
- Designed optimized state transition logic to reduce downtime and improve reliability.
- Studied challenges in banking system state management and proposed FSM-based solutions.
- Enhanced understanding of system design, real-world problem-solving, and automated workflows.

Education

Parul University **2026**
Master of Computer Applications (MCA)

Parul University **2024**
Bachelor of Computer Applications (BCA)

Govt. Boys SSS, Ghitorni, New Delhi **2021**
Class 12 – CBSE

C.R. Oasis Convent School, Najafgarh, New Delhi **2019**
Class 10 – CBSE

Certifications

- **Data Science Using Python** — NPTEL
- **Google Cloud Computing Foundations** — NPTEL

Projects

VendorVista
Multivendor E-commerce Platform

- Built a complete multivendor e-commerce application with vendor dashboards, product management, and order workflows.
- Implemented secure authentication and authorization using JWT and role-based access.

- Designed a responsive UI using React.js and Tailwind CSS.
- **GitHub:** github.com/Harsh-Singh007/Multivendor-site

Jobify
Job Portal Web Application

- Developed a full-featured job portal enabling users to search, apply, and manage job applications efficiently.
- Implemented user authentication and role-based access for job seekers and employers.
- Built responsive and user-friendly interfaces using React.js and Tailwind CSS.
- **GitHub:** github.com/Harsh-Singh007/jobify

VenueVibe
Event Venue Booking System

- Created a booking platform enabling users to browse, filter, and reserve event venues.
- Developed admin and vendor dashboards for venue listing, availability, and booking controls.
- Implemented MongoDB schemas for venue details, availability slots, and user bookings.
- **GitHub:** github.com/Harsh-Singh007/VenueVibe

ATM – FSM
Finite State Machine Based ATM System (Intel® Unnati Project)

- Designed FSM logic to simulate ATM tasks: withdrawal, deposit, PIN validation, and balance inquiry.
- Reduced error states by optimizing transitions and modeling clear state pathways.
- Demonstrated the design using state diagrams, transition tables, and process flow models.
- **GitHub:** github.com/Harsh-Singh007/intelrepo-ATM-FSM

E-Voting System
Secure Online Voting Platform

- Developed a secure digital voting system supporting encrypted authentication and vote submissions.
- Built admin tools for managing voters, candidates, and election results.
- Implemented transparent and accurate vote-counting logic with audit support.
- **GitHub:** github.com/Harsh-Singh007/voting-website