

HARSH VERMA

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SUMMARY

Final-year B.Tech Computer Engineering student with foundational knowledge in C, Java, data structures, and basic web development. Familiar with the MERN stack workflow and understanding of how full-stack applications function. Actively practicing object-oriented programming and problem solving, and motivated to gain hands-on experience through an internship to learn, build, and contribute to real-world software projects.

SKILLS

- Languages: C, Java
- Web: HTML, CSS; exposure to MERN stack
- DSA: Arrays, Linked Lists, Stacks, Queues, Sorting, Searching, Recursion
- Currently Learning: Java (OOP & Problem Solving)
- Tools: Git, GitHub, VS Code
- Concepts: Basic understanding of full-stack web application workflow

PROJECTS

Kathasaar – Devotional Web App (Self-Initiated Project)

- Creating a spiritual content platform offering categorized Aartis, Chalisas, Bhajans, and Ekadashi Vrat Kathas.
- Implemented a clean, devotional-themed UI with audio playback, download options, and calendar-based tithi alerts.
- Used MERN stack concepts and generative tools to understand frontend–backend workflow and data handling.
- Focused on learning full-stack application flow and deploying content in an organized manner, with a focus on modular content management and user accessibility.

Github: <https://github.com/harshvermavvv/kathasaar>

True Weddings – Wedding Planner Web App (Guided Learning Project)

- Implemented basic user authentication, vendor search, and booking features using modern web technologies (HTML, CSS, JavaScript, Node.js, MongoDB).
- Designed a clean, responsive UI with interactive elements for seamless user experience on both desktop and mobile.
- Practiced connecting React frontend with Node.js and MongoDB backend for end-to-end data flow.
- Integrated secure payment gateways and form validations to ensure safe transactions and data integrity.

Online Railway Reservation System – Console Application (Guided Learning Project)

- Implemented simple reservation operations such as booking, cancellation, seat availability checking, and passenger record management.
- Applied object-oriented programming (OOP) principles to structure classes for trains, passengers, and reservations.
- Utilized data structures like arrays and linked lists to manage dynamic records efficiently.
- Built using Java in a console environment to strengthen programming and logic skills.

Password Manager – Desktop Application (Guided Learning Project)

- Developed a secure local password management tool with features for encryption, CRUD operations, and search functionality.
- Emphasized simplicity, security, and offline storage for user credentials.
- Focus on data structures and secure file handling.
- Enhanced understanding of data management and secure storage workflows.

RELEVANT COURSEWORK

NPTEL Courses - Soft Skills, Air Pollution & Control, Conservation Geography, Wildlife Ecology

EDUCATION

J.C. BOSE UNIVERSITY OF SCIENCE & TECHNOLOGY, YMCA

2022 - 2026

Bachelor of Technology - Computer Engineering

S.N.D. PUBLIC SCHOOL, PALWAL

- 10th – 92.2%
- 12th – 80.3%