

# HIMANSHU KHARE

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## EDUCATIONS

**Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya**

Jul 2023 - Jun 2027

*Computer Science and Engineering*

*Indore, India*

CGPA : 8.0

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming (Java), DBMS.

## SKILLS

**Programming Languages :** C++, Java, SQL, JavaScript  
**Frameworks & Libraries :** React, Tailwind CSS, Redux Toolkit, React Hook Form  
**Tools & Platforms :** Node.js, Express.js, Firebase, Git, GitHub  
**Databases :** MySQL, MongoDB

## PROJECTS

### BlogVerse | 🌐 📁

- Engineered a full-stack **blogging platform** with **secure user authentication** and **comprehensive CRUD operations** using Appwrite Backend as a Service.
- Optimized application **state management** by implementing **Redux Toolkit**, ensuring seamless data flow and consistent UI updates.
- Enhanced **UX** and form efficiency by integrating **TinyMCE** for rich-text editing and React Hook Form for high-performance validation.

**Technologies / Tools Used :** React.js, Tailwind CSS, Appwrite, Redux Toolkit

### Real-time Whiteboard | 🌐 📁

- Developed a high-performance collaborative **whiteboard** utilizing **Socket.io** for **100ms real-time synchronization** among users.
- Architected complex UI logic for features including multi-color pencil tools, resizable erasers, and dynamic image insertion using **vanilla JavaScript**.
- Designed a robust undo and redo system powered by **stack-based state tracking** to enhance user error recovery.

**Technologies / Tools Used :** HTML, CSS, JavaScript, Node.js, Socket.io

### Sheetify | 🌐 📁

- Architected** a complex spreadsheet application with a **2D dynamic grid** and multi-sheet support, mimicking core Excel functionalities.
- Developed** a custom formula engine using **Depth First Search (DFS)** for dependency tracking and Infix Stack Evaluation for real-time mathematical calculations.
- Leveraged** DOM manipulation techniques in vanilla JavaScript to maintain a **high-performance UI** while handling large datasets.

**Technologies / Tools Used :** HTML, CSS, JavaScript

## CODING PROFILES

- LeetCode:** 550+ problems solved | **Max Rating – 1735 (Top 12%)** | Profile
- CodeChef:** 250+ problems solved | **2-star Coder** | **Max Rating – 1478** | Profile
- Codeforces:** 100+ problems solved | **Max Rating – 1128** | Profile

## AWARDS & ACHIEVEMENTS

- Achieved** 2-star status on CodeChef with a peak rating of **1478**.
- Solved** 700+ problems across LeetCode, CodeChef, and Codeforces to enhance **algorithmic proficiency**.
- Secured** 2nd position in Code Quest, a coding competition organized by Google Developer Groups at IET DAVV.