Harshil Jain

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ABOUT

Driven Computer Science student proficient in C++, JavaScript, Python with experience building clean, user-focused web applications. Skilled in algorithmic logic and delivering efficient, real-world software solutions. Outside of technology, I enjoy playing guitar, cooking, and exploring creative hobbies that inspire fresh perspectives in my work.

EDUCATION

- **Jain (Deemed-to-be University)** (May'2026)
  Bachelor of Technology in Computer Science and Engineering - CGPA: 7.2
  Bengaluru, Karnataka, India

PROJECTS

- **Medical Agent — AI-based Symptom Suggestion Tool (Python)**

  – Built an AI-driven Streamlit app to suggest medical advice based on symptoms using generative AI.
  – Fetched real-time pharmacy and health data through web scraping (BeautifulSoup) and DuckDuckGo.
  – Designed a responsive UI with fast loading and retry logic for API reliability.

- **Smart Traffic Management System (C++)**

  – Designed to address the inefficiency of manual traffic record-keeping by providing a digital solution for managing vehicle and challan data.
  – Developed a console-based traffic management simulation with timestamp logging to enhance interactivity and traceability.
  – Implemented core operations like **add, search, edit, delete** with file persistence, challan summaries, and real-time timestamp logging.

- **Money Tracker (JavaScript)**

  – Built a Money Tracker web app to help users efficiently record, categorize, and analyze daily expenses, reducing manual calculation errors.
  – Developed using HTML5, CSS3, and JavaScript, with dynamic DOM manipulation for real-time updates and total calculations.
  – Implemented CSV export functionality, an intuitive UI for quick financial tracking, and integrated MongoDB to store and retrieve users' historical expense data for persistence across sessions.

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SKILLS

- **Programming Languages:** C++, JavaScript, Python, HTML/CSS
- **Frameworks:** React, React Native, Node.js, TailwindCSS, Streamlit
- **Tools:** Firebase, MongoDB, MySQL, Git, Vercel, Netlify, Chart.js, BeautifulSoup
- **Concepts:** Data Structures and Algorithms , Database Management System, Object-Oriented Programming, Operating Systems, Computer Networks

ACHIEVEMENTS/CERTIFICATIONS

- Solved 100+ DSA questions on LeetCode, showcasing strong problem-solving skills.
- Led a team project (PCL) over four years, demonstrating leadership and ownership.
- **Sports:** Won the bronze medal at a college-level frisbee tournament, demonstrating teamwork, resilience, and competitive drive.
- **Certifications:** Coursera – C for Everyone: Structured Programming, Google AI Essentials, Effective Problem-Solving and Decision-Making, Python Basics