UTSAV JHA

Darbhanga , Bihar

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EDUCATION

VIT Bhopal University, Bhopal — **B.Tech in Computer Science and Engineering**
Sep 2022 – May 2026 | **CGPA:** 8.54/10 | Bhopal, Madhya Pradesh

- Developed advanced skills in **MERN stack web development** by completing over five significant projects, focusing on practical implementation of **React.js for dynamic UIs, Node.js/Express.js for backend logic, and MongoDB for data management**..

Public School Darbhanga — **12th Standard**
May 2020 – Mar 2022 | **Marks:** 83% | Darbhanga, Bihar

- Gained a solid foundation in mathematics and science, emphasizing logic and analytical skills.

Delhi Public School Kadirabad — **10th Standard**
Jun 2012 – Mar 2020 | **Marks:** 90.6% | Darbhanga, Bihar

- Excelled academically in a broad range of subjects, particularly in STEM fields, laying the groundwork for future success in engineering.

PROJECTS

EarthMark: Eco-Score Check for Sample Products on Amazon
Nov 2024 - Dec 2024

- Conceptualized and developed **EarthMark**, a full-stack application using **React.js**, **Node.js**, and **MongoDB**, designed to calculate eco-scores for products based on custom datasets.
- Built and tested a RESTful API using **Postman**, ensuring seamless communication between backend services and a responsive React.js front end.
- Designed an eco-score algorithm leveraging custom JavaScript object datasets, enabling detailed environmental impact assessments of products.
- Delivered a user-friendly interface with real-time eco-score calculations, enhancing usability and engagement.
- Participated in the **Amazon Sambhav Hackathon 2024**, clearing the first round, gained valuable experience in website building under competitive constraints.
- Compiled a detailed report on the eco-score algorithm, technology stack, challenges faced,and recommendations for future enhancements

Backend CRUD App with MongoDB, Express, Node, EJS, and Tailwind
April 2025 - May 2025

- Developed a robust backend CRUD (Create, Read, Update, Delete) application using Node.js and Express.js to manage data efficiently.
- Implemented MongoDB as the NoSQL database solution, designing and optimizing schemas for scalable data storage and retrieval.
- Built dynamic and responsive user interfaces using EJS (Embedded JavaScript) templating for server-side rendering, ensuring seamless user experience.
- Styled the application with Tailwind CSS, leveraging its utility-first framework for rapid and consistent UI development.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, Java, HTML, CSS, JavaScript, SQL, PL/SQL
- **Web Development tools:** MongoDB, Express.js, React.js, Node.js
- **Technologies & Tools:** VS Code, Canva
- **Data Analytics Tools:** MySQL, Excel
- **Core Competencies:** Data Structures and Algorithms, DBMS, Object-Oriented Programming (OOP), Model Development

CERTIFICATIONS

- *Cloud Computing* — NPTEL | Apr 2024
- *The Bits and Bytes of Computer Networking* — Coursera | Dec 2023
- *MATLAB Onramp & Simulink Onramp* — MathWorks | Sep 2022

ADDITIONAL ACTIVITIES

Co-Curricular Achievements:

- Earned the **100 Days Badge** on LeetCode, demonstrating consistent coding practice over a period of 100 days.
- Successfully completed the *100 Days of Code* challenge on LinkedIn, enhancing solution development skills in C++.
- Qualified for second round of Amazon Smbhav Hackathon 2024

Extracurricular & Leadership:

- Competed in multiple chess championships on school and college level.
- Represented the university at the Amazon Sambhav Hackathon 2024, leading the development of a full-stack eco-score application, *EarthMark*.
- Engaged with community programs to deliver hands-on coding lessons, directly impacting the digital literacy of more than 150 high school students from underrepresented backgrounds during academic year sessions.

LANGUAGES & HOBBIES

- **Languages:** Fluent in Hindi, Maithili, English
- **Hobbies:** Chess (develops strategic thinking), analyzing movies, web series, comics and anime (enhances appreciation for storytelling and cinematography).