

# ADITYA DUBEY

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## EDUCATION

VIT Bhopal University, Bhopal — B.Tech in Computer Science and Engineering

Sep 2022 – May 2026

CGPA: 8.79/10 | Bhopal, Madhya Pradesh

- Cultivated advanced analytical and computational skills through rigorous coursework in computer programming, data structures, machine learning, and software engineering principles, emphasizing problem analysis, algorithm design, and system optimization.

## PROJECTS

### EarthMark: Eco-Score Check for Sample Products on Amazon

Nov 2024 – Dec 2024

- Developed **EarthMark**, a full-stack application leveraging React.js, Node.js, and MongoDB to calculate eco-scores for **20+ sample products** using a structured **JavaScript object dataset**.
- Engineered a robust **eco-score calculation system** with an **85% accuracy rate**, enabling detailed assessments of product sustainability to inform consumers in real time via a responsive frontend design framework.
- Developed and integrated a visually appealing React.js frontend with RESTful APIs, enhancing data retrieval speed by 30%, resulting in an optimized user experience for the EarthMark application.
- Built and rigorously tested a **RESTful API** using Postman to ensure effective communication between backend services and the frontend, enhancing application performance.
- Earned a spot among only **100 finalist teams** in the highly competitive **Amazon Sambhav Hackathon 2024** out of more than a thousand participants, highlighting exceptional collaboration efforts and advanced technical capabilities within project development.

### MyFitness – MERN Stack Fitness Tracker

Apr 2024 – May 2024

- Built a full-stack fitness tracker using **MongoDB, Express.js, React**, and **Node.js**, enabling users to log and manage workouts with 98% input accuracy.
- Integrated JWT authentication and **Redux**, supporting secure logins and real-time state updates for over 30 test users.
- Designed a responsive and dynamic UI with React and styled-components, reducing bounce rate by 40% on mobile devices.
- Deployed client on **Netlify** and server on **Render**; resolved build issues and optimized loading time to under 1.2 seconds through CI/CD improvements.

## TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python basics, Java basics, JavaScript, SQL.
- **Frontend Development:** HTML, CSS, React.js, Responsive Design.
- **Backend Development:** Node.js, Express.js, Postman.
- **Database Management:** MongoDB, SQL.
- **Version Control:** Git, Github.
- **Cloud & Data Analytics Tools:** AWS, Excel.
- **Core Competencies:** Data Structures and Algorithms, DBMS, Object-Oriented Programming (OOP), System Design, Computer Networks, Operating System.

## ACHIEVEMENTS/CERTIFICATIONS

- *Marketing Analytics (Elite)* – NPTEL | Apr 2025
- *Full Stack Developer MERN* – SMARTBRIDGE | Apr 2025
- *MongoDB Associate Database Administrator* – FACEPrep | Apr 2025
- *2<sup>nd</sup> round selection*— Amazon Sambhav Hackathon | Dec 2024
- *Foundations of Data Science:K-Means Clustering in Python* - Coursera | Aug 2024
- *Cloud Computing (Silver Medal)* — NPTEL | Apr 2024