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 team**s 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*
* *2nd 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*