DHRUV JOHN SAMUEL

dhruvsamuel05@gmail.com | +91 99028 84226 | Kalyan Nagar, Bengaluru, Karnataka
https://github.com/Embontooth https://leetcode.com/u/Dhruv_Samuel/

SUMMARY

Passionate and dedicated Computer Science student with a strong foundation in programming, backend development, and cybersecurity. Experienced in building and testing web applications using Node.js, Express.js, and MongoDB. Enthusiastic about problem-solving, optimizing code, and exploring cybersecurity concepts as a cybersecurity enthusiast. Proficient in Linux (Kali), SQL, and Java, with a keen interest in applying technical skills to real-world scenarios. Constantly learning and evolving in the field of technology.

Beyond coding, I have a deep love for music—both listening and creating. My favorite song is "The Adults Are Talking" by The Strokes.

PROJECTS

Pathfinder (Event Tracker, Creator and Navigator)   **March 2025**
Event : ChampExpo

- **Backend Handling for the Project**
  - The backend was built using **Node.js** and **Express.js,** with **MongoDB** as the database. It managed user authentication, data storage, and API request handling. Express.js handled routing and middleware, ensuring efficient request processing. The database is structured to store predefined club leader credentials, by seeding the cub leaders. API endpoints are tested using **Postman** to verify functionality and response accuracy. Security measures, such as input validation and authentication mechanisms, are implemented to ensure data integrity.

- **Frontend Handling for the Project**
  - The frontend was developed using **Flutter**, focusing on creating a seamless user experience. A key feature included **integrating the Google Maps API** to provide location-based functionalities within the app. This integration allowed users to interact with maps, access location data, and enhance the overall app experience.

EDUCATION

BTech Computer Science   **April 2023 - April 2027**
- Vellore Institute of Technology
- Semester 1 CGPA - 8.87
- Semester 2 CGPA - 9.1
- Semester 3 CGPA - 9.6
- Current CGPA - 9.23

High School Diploma   **March 2017 - March 2023**
- Delhi Public School - Bangalore North
- Class 10 - 92%
- Class 12 - 91%

KEY SKILLS

- Java, Python, C, C++
- Computer Networks
- Competitive Programming
- Linux, Cyber Security Enthusiast
- HTML, CSS, JavaScript
- Problem solving
- Data Structures and Algorithms
- Operating Systems
- Attention to details
- Fluent in English and Mandarin