

Harshith K

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TECHNICAL SKILLS

- **Languages:** C/C++, JavaScript
- **Web Technologies:** HTML, CSS, Tailwind CSS, Node.js, Express.js
- **Databases:** MongoDB, MySQL
- **Developer Tools:** Git, GitHub, VS Code

PROJECTS

- Movie Night: Real-time Synchronized Media-Watching Platform** | Node.js, Firebase, WebSocket **July 2025**
- Developed a **real-time, synchronized video-watching platform** allowing multiple users to watch movies together remotely, ensuring a shared and seamless viewing experience.
 - Implemented a **WebSocket-based synchronization engine** for shared playback controls (play, pause, seek) and integrated **Agora RTC** for live video and audio chat among participants.
 - Created a secure user authentication system using **Firebase Authentication** and developed a personal media library for users to manage video content stored in **Firebase Cloud Storage**.
 - Built the backend service using **Node.js** and **Express** to handle room creation, user data, and movie metadata, utilizing **MongoDB** for data persistence.
- Decentralized Crowdfunding Platform Using Ethereum** | MySQL, WebSocket, Node.js, Ganache **December 2024**
- Developed a decentralized crowdfunding platform utilizing **Ethereum smart contracts** for transparent fund management.
 - Implemented a **milestone-based funding system** with automated fund releases and investor voting mechanisms.
 - Created a real-time dashboard for tracking **campaign progress, milestone completions, and fund distributions**.
 - Built reward system with automated **coupon generation** for successful campaign completions.
 - Utilized **Node.js, Express, MySQL, and WebSocket** for real-time updates, with **MetaMask** integration for wallet connectivity.
- Happy PAWS: Comprehensive Dog Marketplace** | HTML, CSS, JavaScript, Node.js, MySQL **March 2024**
- Developed a comprehensive pet website allowing users to buy and sell dogs with detailed profiles.
 - Implemented user authentication including **registration, login, and profile management**.
 - Created an **admin dashboard** for managing dog listings and sell requests.
 - Added functionality for **uploading dog images and descriptions**, enhancing the user experience.
 - Built using a stack of **HTML, CSS, JavaScript** for the frontend, **Node.js** for the backend, and **MySQL** for data storage.

INTERNSHIPS

- Vulnerability Assessment and Penetration Testing Intern** **Jan 2025 – Apr 2025**
TorSecure Cyber LLP, Mangaluru
- Performed VAPT using **Burp Suite** and **Nmap**, simulating attacks like **SQLi, XSS, Cookie Hijacking, and Phishing**.
 - Built a phishing simulation using **Python, Tailwind CSS, JavaScript**, with backend integration via **SheetDB API**.
 - Identified and exploited vulnerabilities in the college student portal, demonstrating risks like **cookie hijacking** and improper session handling.

EDUCATION

- Sahyadri College of Engineering and Management** **Mangaluru, Karnataka**
Bachelor of Engineering in Computer Science and Engineering - CGPA: 8.22 **2021 – 2025**
- Sri Chaitanya PU College** **Mangaluru, Karnataka**
PCMC - 88.3% **2019 – 2021**

CERTIFICATIONS

- **Database and SQL**, Infosys Springboard, March 2024
- **Version Control System - GIT Training**, Infosys Springboard, July 2024