

Kumari Vaishnavi

9131648369 | vaishnavik984@gmail.com | [linkedin.com/in/kumari-vaishnavi-196558251](https://www.linkedin.com/in/kumari-vaishnavi-196558251) | github.com/vaishk984

Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.42 | Sep 2022 - June 2026

Bhopal, Madhya Pradesh

Projects

Real-Time Device Tracking System | (Node.js, Express.js, MongoDB, Docker, Socket.IO, Leaflet.js) | [Link](#) June 2025

- Built a real-time location tracker with **Google OAuth authentication**, enabling live, secure device monitoring for 50+ sessions.
- Achieved **<1s event latency** using **Socket.IO** and rendered live trails on Leaflet.js maps with **accuracy filtering ($\leq 100\text{m}$)** to reduce GPS noise.
- Engineered a **MongoDB-backed backend** to store **timestamped location logs**, supporting session replay and audit trails.
- Dockerized** the full-stack app achieving 100% build consistency and 99.9% uptime through containerized deployment.
- Deployed** via container-based infrastructure on **Render** for consistent builds and reliable hosting.
- Secured routes with Passport.js, cookie sessions, and **middleware guards**; delivered a responsive UI with real-time feedback.

SafeKeep | (Next.js, TypeScript, TailwindCSS, Appwrite, ShadCN UI, Framer Motion) | [Link](#) March 2025

- Developed and deployed a secure file storage system with **OTP-based login**, reducing onboarding drop-off by **~30%**.
- Engineered a secure backend with Appwrite, implementing role-based permissions and JWT-authenticated sessions to protect user data.
- Supported up to **2GB of file uploads** per user via bucket configuration and client-side validation.
- Enabled **shareable links** with access control, maintaining 100% security during concurrency tests.
- Built scalable fuzzy search with preview overlays and real-time filtering under **100ms** across large file datasets.
- Modularized code into **20+ reusable components**, boosting dev speed by 40% and achieving **95+ Lighthouse scores** through scroll optimization and lazy loading.

Technical Skills

Languages: C++, Java, Python, JavaScript, HTML/CSS, TypeScript

Tools/Platforms: Docker, Git, GitHub, Postman, Jupyter Notebook, VS Code

Libraries/Frameworks: Node.js, Express.js, Next.js, React.js, Bootstrap, Tailwind CSS, ShadCN UI, Leaflet.js

Databases & APIs: MongoDB, MySQL, REST APIs, Appwrite

Core Skills: Object Oriented Programming, Data Structures and Algorithms, Machine Learning, Data Analysis

Achievements

- Adobe Smart India Hackathon | Team Lead | In Progress** July 2025
Cleared Round 1 (Online Coding Assessment). Currently leading the development of a core system for intelligent document understanding and semantic linking, aligned with Adobe's problem statement.
- BlockDag Hackathon – “Scale Without Sacrifice” | Team Lead | In Progress** July 2025
Cleared Round 1. Currently developing a **Smart Wallet** that removes barriers for users to explore and adopt decentralized apps (dApps), focusing on seamless UX and blockchain abstraction.
- Deloitte Data Analytics Job Simulation – Forage | [Link](#)** June 2025
Analyzed telemetry data in Tableau and investigated unfair pay using Excel in a virtual case study.
- Zelestra x AWS ML Ascend Challenge | Team Lead | [Link](#)** June 2025
Forecasted solar energy generation using real-world datasets and ML models (LightGBM, CatBoost, Keras), achieved **89.86 Phase 1 score** using AWS-powered pipelines and advanced feature engineering.
- Amazon Smbhav Hackathon (Top 0.1%) | Core Module Owner | [Link](#)** November 2024
Built and deployed EcoExportSuite, an **AI-powered export platform** with a smart chatbot, real-time shipment tracker, document validator, and rate comparator — **streamlining international trade** workflows.