Kumari Vaishnavi

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Education

VIT Bhopal University   **CGPA: 8.45 | Sep 2022 - June 2026**
Bachelor of Technology in Computer Science and Engineering   **Bhopal, Madhya Pradesh**

Projects

LingoLink - Real-Time Language Exchange Platform | Link   **August 2025**
React, Node.js, Express.js, MongoDB, Mongoose TailwindCSS, JWT

- Built a **full-stack platform** for real-time messaging and 1-on-1 group video calls with screen sharing and recording.
- Integrated **32+ customizable themes** for personalization and **JWT authentication** with protected routes.
- Optimized API calls with **TanStack Query caching** and **Zustand state management**, reducing load times by 40%.
- **Deployed** on Render with scalable backend architecture and implemented robust **error handling** for reliability.

Real-Time Device Tracking System | Link   **June 2025**
Node.js, Express.js, MongoDB, Docker, Socket.IO, Leaflet.js

- Developed a **live GPS tracker** with Google OAuth authentication, supporting **50+ concurrent sessions**.
- Achieved **<1s latency** using Socket.IO and implemented accuracy filtering (≤100m) to minimize GPS noise.
- Created a **MongoDB-backed backend** to store timestamped location logs for replay & audit trails.
- Containerized the app with **Docker** for 100% build consistency and 99.9% uptime.
- Delivered a **responsive Leaflet.js map UI** with real-time location updates.

SafeKeep - Secure File Storage System | Link   **March 2025**
Next.js, TypeScript, TailwindCSS, Appwrite, ShadCN UI, Framer Motion

- Developed a **secure file storage** platform with OTP-based login, reducing onboarding drop-off by 30%.
- Integrated **Appwrite backend** with role-based permissions & JWT authenticated sessions.
- Supported **2GB file uploads** with shareable access-controlled links.
- Implemented **fuzzy search** with real-time filtering (<100ms) and preview overlays for large datasets.
- Achieved **95+ Lighthouse scores** via lazy loading, scroll optimization, and 20+ reusable components.

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

- **Oracle Cloud Certified AI Foundation Associate | Link**   **August 2025**
  Achieved expertise in foundational AI concepts and Oracle Cloud AI services, demonstrating the ability to apply AI capabilities to real-world business scenarios.
- **Adobe Smart India Hackathon | Team Lead | Link**   **June 2025**
  Cleared Round 1 and built an intelligent document understanding platform
- **Walmart Sparkathon | Link**   **June 2025**
  Built a real-time inventory tracking with low-stock alerts and ML-based demand prediction to prevent shortages
- **Zelestra x AWS ML Ascend Challenge | Team Lead | Link**   **June 2025**
  Forecasted solar energy generation, scored **89.86** in Phase 1.
- **Amazon Smbhav Hackathon (Top 0.1%) | Core Module Owner | Link**   **November 2024**
  Built EcoExportSuite, an AI-powered export management platform.