

# Kumari Vaishnavi

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## Education

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.45 | Sep 2022 – June 2026

Bhopal, Madhya Pradesh

## Project

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, Socket.IO, Leaflet.js, Docker

- Developed a live GPS tracker with **Google OAuth authentication**, supporting 50+ concurrent sessions.
- Achieved **<1s latency** using Socket.IO and implemented **accuracy filtering** ( $\leq 100\text{ms}$ ) 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 permission & **JWT authenticated** sessions.
- Supported **2GB file uploads** with shareable access-controlled links.
- Implemented fuzzy search with **real-time filtering** ( $< 100\text{ms}$ ) 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, TypeScript, HTML/CSS

**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 Foundations Associate** | [Link](#) August 2025  
Achieved expertise in foundational AI concepts and Oracle Cloud AI services.
- Flipkart Grid 7.0** | National Semi-Finalist | [Link](#) August 2025  
Selected among the top participants nationwide for solving real-world tech challenges.
- Adobe Smart India Hackathon** | Team Lead | [Link](#) June 2025  
Cleared the 1<sup>st</sup> round and built an intelligent document understanding platform.
- 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.