

Kumar Vaibhav

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Education

- **BTech. CSE (Specialization in Health Informatics)** *VIT Bhopal University (October 2022 - Current)*
 - Currently Pursuing (Pre-Final Year)
 - **CGPA:** 8.55
- **Delhi Public School Newtown, Kolkata**
 - **Class 10:** 91.6% *July 2020*
 - **Class 12:** 82.4% *July 2022*

Projects

- **NurtureWise Agro (Frontend Project)**
 - Developed a dashboard for farmers to access real-time insights on weather, soil health, crop performance, and profit analysis, enabling data-driven decisions to address agricultural inefficiencies and optimal farming practices.
 - Designed and implemented dynamic data visualization modules leveraging MongoDB Atlas Visualizations to analyze and present real-time weather patterns, soil nutrition levels, and crop yield predictions
 - Implemented responsive design principles to ensure device compatibility for rural users with limited tech access.
 - **Tech Used:** ReactJS, MongoDB, Weather API, Atlas Visualizations, Google Maps API
 - **GitHub:** <https://github.com/kvaibhav114/Farmer-Dashboard>
- **Expenzo (Full Stack Project)**
 - Developed a comprehensive financial management web app to track incomes and expenses, visualize spending, and generate actionable insights with multi-factor authentication.
 - Developed custom PDF/Excel parser using Node.js streams to process financial documents with 95% accuracy, automatically extracting and categorizing transaction details for user convenience.
 - Designed an interactive dashboard with visualizations using Shadcn components, showing spending trends, budget adherence, and financial health metrics.
 - **Tech Used:** Next.js, Tailwind CSS, Neon Postgres, Drizzle ORM, Clerk Auth, ShadCN
 - **GitHub:** <https://github.com/kvaibhav114/expense-tracker>

Achievements

- Solved 70+ problems related to **Data Structures** on platforms like **LeetCode** and **GeeksforGeeks**.
- Selected among the top 10 teams out of 200+ entries at the **Prod-E-G Hackathon 2023**, organized by DSEU University, Guna, for developing the **NurtureWise Agro Project** as an innovative agricultural tech solution. Certificate
- Finalist at **Rajasthan Police Hackathon 2023**, for developing a **CCTV Monitoring System** capable of detecting road accidents and reducing false positives by 40% through an advanced anomaly detection model. LinkedIn Post
- Reached the finals of **HealthHack**, hosted by VIT Bhopal University, for creating a **Healthcare Chatbot**.

Extracurricular Activities

- Core Member of the PR Team of **VIT Bhopal's Android Club**.
 - Secured multiple sponsorships for ensuring the success of various major club events during a 2-year tenure, contributing significantly to the club's outreach and growth.

Skills

- **Programming Languages:** HTML, CSS, JavaScript, Java
- **Technologies & Frameworks:** React, Next.js, TailwindCSS
- **Tools:** Postman, Git, GitHub