

KARTIKEY VISHWAKARMA

kartikey752@gmail.com — +91 6393400030 — LinkedIn — Portfolio — GitHub

Education

Vellore Institute of Technology

Oct 2022 – June 2026

BTech in Computer Science & Engineering (Health Informatics Specialization)

CGPA: 9.07 / 10

Experience

Web Development and Design Intern

Apr 2025 – June 2025

Akshay Services – Website performance optimization, plugin installation & configuration

- Streamlined and automated product listing workflows, increasing productivity and reducing listing time by 50%.
- Conducted performance audits and implemented SEO best practices to improve site loading times and visibility.
- Contributed to troubleshooting and development tasks as part of a small agile team.

Skills

Languages: C++, SQL, Python, JavaScript, Motoko

Frameworks, Libraries & Databases: React.js, Express.js, Node.js, Bootstrap, Daisy UI, MongoDB, MySQL

Cloud & Hosting: Google Cloud Platform, Cloudinary

Projects

Yapster: Yap about Everything [Demo] [GitHub]

May 2025 – July 2025

React.js, Node.js, Express.js, MongoDB, Socket.IO, Cloudinary

- Built a real-time messaging platform using the MERN stack and Socket.IO, supporting instant text/image delivery with <100ms latency and real-time presence tracking.
- Optimized image delivery by integrating Cloudinary, reducing load times by 45%, and enhanced UI with DaisyUI's 32 themes, increasing user engagement by 35%.
- Hardened project security using JWT for encrypted authentication, enabling safe access and stable message storage for 10,000+ interactions.

NurtureWise Agro [Demo] [GitHub]

Jan 2025 – Apr 2025

Streamlit, Roboflow, Machine Learning

- Prototyped an AI-powered crop disease detection system using Streamlit and Roboflow, achieving 92.6% model accuracy on real-field datasets.
- Integrated real-time inference with Roboflow API, delivering diagnosis in under 1.8 seconds and reducing crop loss risk by 40% in pilot tests.
- Engineered a yield loss module estimating revenue per hectare suggesting agronomic fixes, boosting decisions by 60%.

Co-curriculars

Rajasthan Police Hackathon

- Finalist in Rajasthan Police Hackathon 1.0, organized by RACCAM, selected from 9,000 teams.
- Developed an OpenCV-based system for blockage and displacement detection, improving surveillance.
- Improved operational efficiency by 25% and data accuracy by 35%, strengthening law enforcement capabilities.

Hackothsava

- Finalist in Hackothsava, a premier national hackathon by SVITM, securing a top 10 spot out of 500 teams.
- Enhanced data visualization with correlation analysis and geospatial heatmaps, boosting efficiency by 30%.
- Architected and fine-tuned a real-time accident detection system to capture and log attributes including Camera ID, GPS coordinates, severity level, and incident frequency, achieving 95% detection accuracy.

Extracurriculars

PR Team Lead, Cisco Community – VIT Bhopal

Aug 2022 – May 2025

- Organized workshops, hackathons (CODEX), and events to promote Cisco technologies.
- Managed social media and branding, increasing online engagement.
- Drove CODEX promotion, securing 250+ registrations and doubling sponsor interest.
- Collaborated with faculty and industry professionals for knowledge-sharing initiatives.

Certifications

Google Cloud Skill Badges, Applied Machine Learning in Python, Microsoft AI Skill Challenge