

# 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

### Amazon ML Summer School 2025

2025

- Selected for a competitive program from a national pool of over 60,000 applicants, placing in the top 5%.
- Trained in advanced Machine Learning, Generative AI, and real-world AI applications by Amazon's leading scientists.
- Gained hands-on experience applying research to real projects and will earn Amazon certification on 30 August 2025.

### Rajasthan Police Hackathon

2024

- 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.

## 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