

KARTIKEY VISHWAKARMA

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Education

- VIT Bhopal University**, B. Tech in Computer Science & Engineering October 2022 – Present
- Cumulative GPA: 9.07/10
- Central Hindu Boys School (B.H.U Varanasi), XII** July 2019 – Sep 2020
- Percentage: 81.4

Work Experience

- Akshay Services Pvt Ltd. :** May 2025 – Present
- (Web Development and Design Intern)**
- Maintained and improved company website to ensure optimal functionality and user experience.
 - Working on **RFQ (Request for Quotation) software** to **automate quotation handling** processes, streamlining operations and improving efficiency.

University Projects

- 1)Yapster : Yap about Everything** [Demo Link](#) [GitHub](#)
- Developed a **real-time messaging application** using the **MERN stack** and **Socket.IO**, enabling instant text/image messaging and real-time **online/offline status updates**.
 - Used **Cloudinary** for seamless image storage and **DaisyUI** for theme customization, providing users **with 32 themes** for a personalized and engaging experience.
 - Integrated **secure user authentication** (signup, login, logout) using **JWT** and efficiently managed user data and messages with **MongoDB**.
 - Implemented features like **online user filtering**, **profile picture updates**, and **real-time notifications** for enhanced user interaction.
- 2)Nurture - Wise Agro** [Demo Link](#) [GitHub](#)
- Developed NurtureWise Agro using Streamlit, for crop disease detection, achieving **90%+ accuracy**.
 - Integrated real-time AI inference for disease detection, providing actionable insights with high confidence levels and **reducing crop loss risks**.
 - Designed a yield loss analysis module, calculating revenue loss and post-loss income, while linking farmers to disease-specific solutions and **fertilizer recommendations** for sustainable agriculture.

Skills

Languages: C++, Python, JavaScript, Motoko

Frameworks, Libraries & Databases: React, Express, Node.js, Bootstrap, DaisyUI, MongoDB

Cloud & Hosting: Google Cloud Platform, Cloudinary

Hackathons

- 1)RAJASTHAN POLICE 1.0:**
- **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.
- 2)HACKOTHSAVA:**
- **Finalist** in **Hackothsava**, a premier **national hackathon** by SVITM, securing a **top 10 spot** out of 778 teams.
 - Developed a real-time accident detection system logging data with attributes like Camera ID, location, severity and accident count, achieving **95%** detection accuracy.
 - Enhanced data visualization with correlation analysis and **geospatial heatmaps**, boosting efficiency by **30%**.

Certifications

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

Extracurriculars

- PR Head, Cisco Community – VIT Bhopal** Aug 2022 – Aug 2024
- Organized **workshops, hackathons (CODEX), and events** to promote Cisco technologies.
 - Managed **social media and branding**, increasing online engagement.