

KOPAL KHARE

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SUMMARY

Results-driven AI & Machine Learning Engineer pursuing B.Tech in Computer Science (AI & ML) at VIT Bhopal. Experienced in building end-to-end ML and web applications using Python, TensorFlow, Flask, and NLP frameworks. Demonstrated ability to design intelligent systems improving efficiency and user experience. Strong analytical mindset, leadership experience, and passion for applied AI research and real-world impact.

TECHNICAL SKILLS

Languages: Python, C++, Java

Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, OpenCV, NumPy, Pandas

Web Technologies: Flask, HTML, CSS, JavaScript

Tools: Git, Jupyter, Google Gemini API, VS Code

PROJECTS

Study Coach – AI-Powered Productivity Scheduler | Flask, HTML, CSS, JS, Gemini API

Jan 2025 – Apr 2025

- Developed an AI web app that generates personalized daily study schedules using Google Gemini API.
- Implemented Flask backend and responsive frontend with persistent task tracking.
- Achieved 30% improvement in scheduling efficiency based on user feedback.

Cognita – AI-Powered Web Browser | Python, NLP, Computer Vision

Sep 2024 – Dec 2024

- Created a cross-platform AI browser for real-time text summarization and object detection.
- Integrated NLP & vision pipelines for accessibility-focused web interactions.
- Reduced average read time by 40% through adaptive summarization.

EXPERIENCE & LEADERSHIP

Blockchain Club – Core Member | June 2024 – Present

- Organized 4+ national-level tech events with 500+ participants, in collaboration with Accelchain and Notion.

Event Management Team – Core Member | Oct 2024 – Present

- Managed operations for AdVItya'25 (8,000+ attendees) and VIT Convocation attended by the Hon'ble CM of Madhya Pradesh.

National Service Scheme (NSS) – Volunteer | July 2024 – Present

EDUCATION

VIT Bhopal University — B.Tech in Computer Science and Engineering (AI & ML)

Sept 2023 – May 2027 | GPA: 8.35 / 10

Carmel Convent Sr. Sec. School (CBSE) – Bhopal, MP

Class XII (2023): 76% | Class X (2021): 89%

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CERTIFICATIONS

- IBM Machine Learning Specialization — Coursera
- Foundations of User Experience(UX) Design - Google
- NPTEL Cloud Computing — IIT Kharagpur