

Rutuja Kale - Portfolio

****Rutuja Kale****

Email: rutujakale9823@gmail.com | GitHub: <https://github.com/Rutuja-kale06> | LinkedIn:

<https://www.linkedin.com/in/rutuja-kale-1a00a532a>

Role: AI & Full-Stack Developer | Web3 Enthusiast | Hackathon Builder

About Me

Creative technologist passionate about solving real-world problems using AI, Web3, and full-stack development. Experienced in building scalable platforms across education, finance, climate tech, and e-commerce. Always shipping, learning, and experimenting.

Tech Stack

Languages: JavaScript, Python, HTML/CSS

Frameworks: React, Tailwind, Node.js, Express

AI/ML: TensorFlow, OpenCV, NLP, OCR

Web3: Smart Contracts, Decentralized Storage, Rewards Systems

Databases: Supabase, Firebase, MongoDB

Other Tools: Git, Figma, APIs, WebRTC, REST

Key Projects

1. EduAI Trainer - Personalized AI Learning Assistant

- Built an interactive tutor with AI-powered feedback, quizzes, and doubt solving.
- Dynamic learning paths based on student performance and NLP-powered chatbot.

2. Microclimate UHI Platform (Web2 + Web3 + AI)

- Real-time heatmap analysis of Urban Heat Islands.

Rutuja Kale - Portfolio

- Web3 reward system for user engagement; ML-based severity predictions.
- Simulated IoT data for environmental monitoring.

3. AI-Powered Video Call Platform

- Google Meet-like app with integrated real-time face, voice, and gesture analytics.
- Custom AI models with low-latency edge processing for analytics.

4. Smart Meeting Summarizer

- Upload audio/transcript to generate meeting summaries, action items, and key insights.
- Uses NLP, keyword extraction, and speech processing.

5. Automated OCR Shopping Assistant

- Extracted shopping list items from images/PDFs and matched them with products online.
- Added items to cart automatically using API integrations.

6. Finance App for Young Adults

- Built a budgeting tool for low-income users with educational modules and savings goals.

7. Interactive Storybook Engine

- Web-based visual novel creator with narration, scene editor, and PDF/JSON export.
- Focused on storytelling and educational use.

Achievements

- Hackathon Winner: ENIGMA Yash 25.0 (YCCE)

Education

B.Tech in Artificial Intelligence and Data Science - Yeshwantrao Chavan College Of Engineering, Nagpur
(2024 - 2025)