

# VEDANT BENDE

Final-year B.Tech Computer Science student with academic and project experience in web development, UX design, and AI operations. Skilled in data analysis, programming, user interface design, and system optimization, with practical exposure to team-based projects and research-driven problem-solving. Seeking opportunities to apply technical knowledge to build scalable and efficient digital solutions.

## WORK EXPERIENCE:

### Frontend Web Development Intern

IBM SkillsBuild - AICTE - Edunet Foundation

Aug/2025 – Sep/2025

- Built a responsive Weather Dashboard using Vue 3, Tailwind, Vuetify, and Vite.
- Integrated live weather APIs with reusable, modular UI components.
- Added favorites, theme toggle, and full PWA support (offline + installable).

### AI Intern

TechSaksham (AI/ML Program by Microsoft & SAP)

Jan/2025 – Feb/2025

- Developed a Streamlit web application for potato leaf disease detection using a CNN model with transfer learning, leading to improved accuracy.
- Integrated image upload functionality with real-time prediction output to enable instant disease detection.
- Gained practical AI experience under structured mentorship, participated in technical training sessions, and showcased the project in an industry event.

### AI & Prompt Engineering Trainee

IBM SkillsBuild

Dec/2024 – Dec/2024

- Completed a short-term internship focused on AI & Prompt Engineering, optimizing AI interactions and responses through structured prompt design.
- Executed hands-on exercises to build AI-driven applications and enhance machine learning model outputs.
- Explored advanced AI tools, LLMs (Large Language Models), and prompt optimization strategies to improve system performance.
- Achieved program certification, demonstrating validated proficiency in AI-driven problem-solving.

## CORE SKILLS:

**AI Operations:** Prompt Engineering, Iteration, Contextual Awareness, Evaluation & Feedback

**Web Development:** HTML, CSS, JavaScript, React.js, Vue.js, TailwindCSS, Node.js, Flask, MongoDB, MySQL, Git & GitHub

**AI & Machine Learning:** Artificial Intelligence, Machine Learning, Deep Learning, Supervised & Unsupervised Learning, Computer Vision, NLP, Image Processing, CNN, OpenCV, PyTorch, TensorFlow, Keras, Scikit-Learn, NumPy, Pandas, Matplotlib, Feature Engineering

## LANGUAGES:

**English** (Fluent)

**Hindi** (Native)

**Marathi** (Fluent)

## CONTACT INFORMATION:

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**Location:** Nagpur, Maharashtra, India

## EDUCATION:

### G.H Raisoni University, Saikheda

Bachelor of Technology in Computer Science & Engineering

June 2022 – June 2026

CGPA : 7.6+

## PROJECTS:

### Potato Leaf Disease Detection App

Jan/2025 – Feb/2025

- Built a Streamlit web application to detect potato leaf diseases using a trained CNN model, enabling automated analysis of plant pathology datasets.
- Integrated image upload functionality with real-time prediction output, delivering results in seconds per image.
- Applied transfer learning, which significantly improved model accuracy compared to baseline training.

### Portfolio Website

Nov/2024

- Designed, built, and deployed a fully responsive personal portfolio website in 7 hours, simulating real-world development pressure.
- Leveraged AI-assisted prototyping followed by debugging, customization, and optimization, reducing development effort while maintaining code quality.
- Implemented 4+ interactive features (smooth scrolling, animated cursor, project cards, and GitHub/contact integration) to enhance user engagement.

### Weather Dashboard

Aug/2025 - Sep/2025

- Developed a progressive web application (PWA) for real-time weather conditions, forecasts, and favorite location management with sub-second interactions.
- Designed with Vue 3, Vite, Pinia, Vuetify, and Tailwind CSS, ensuring responsiveness and accessibility across devices.
- Implemented PWA installability using Workbox and Web App Manifest, providing native-like performance on desktop and mobile.
- Added favorites, theme customization, and WCAG-compliant UI, improving accessibility and personalization for users.
- Built with unit (Vitest) and end-to-end (Playwright) testing, ensuring resilient error handling for network and API failures.
- Deployed using Vite + static hosting with SPA fallback, supporting scalable and maintainable project delivery.