

Vaibhav Kulshrestha

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, HTML, CSS, SQL

Frameworks: React, Next.js, Node.js, Express, TailwindCSS

Databases & Cloud: MongoDB, PostgreSQL, Firebase, AWS, Oracle Cloud Infrastructure

Developer Tools: Docker, Git, Github, Vercel, VS Code

Other: SEO Optimization, Project Management, REST APIs

EXPERIENCE

Co-founder

May 2025 – Present

India

KisanConnect (MSME Funded Startup)

- Co-led the 6-member team and won the MSME Ideathon, securing 5L funding
- Developed both the mobile and web application for the project
- Built a scalable news-feed system and chatbot, Firebase Auth and Firestore
- Deployed production app with Dockerized setup on Firebase Cloud Hosting
- Reduced farmer onboarding time by 35% through optimized workflows, UX enhancements and caching

Frontend Developer Intern

Feb 2024 – Feb 2025

India

Pentaomnia Pvt. Ltd.

- Built EdTech platform "Nirmaan" for NDA aspirants using React & Tailwind
- Managed Git workflows, reducing release cycles by 25%
- Implemented analytics dashboard (PostgreSQL + Node.js) to track student progress
- Improved site load time by 40% via lazy loading & image optimization
- Built the frontend and deployed on Vercel; handled data transfer from Hostinger
- Used Next.js for refined and optimized frontend rendering

PROJECTS

Pashudrishti App | *Firebase, React, CI/CD, Blockchain* | [Live Demo](#)

2025

- Built app and web for identification of Indian cattle breeds (cows and buffaloes)
- Used Firebase Auth for onboarding, designed face identification auth and location-based breed recommendation
- Designed CI/CD pipelines for real-time breed detection using model inference on uploaded/captured photos
- Designed blockchain based storage for storing the Farm Management Data

Pentaomnia | *Next.js, Vercel, Hostinger* | pentaomnia.com

2024

- Built the frontend and deployed on Vercel handled data transfer from Hostinger
- Created the admin panel to handle the event management and student activity management
- Used Next.js for refined and optimized frontend rendering

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Foundations Associate – AI Foundations

Oracle

Oracle Cloud Infrastructure 2025 Certified DevOps Professional

Oracle

ACHIEVEMENTS

Winner: MSME Hackathon 2024 (5L grant for Kisan Connect) and 3 college hackathons

Qualified: SIH Nationals 2024 & 2025 by developing an AI assisted FIR registration app in 2024 and PashuDrishti in 2025

EDUCATION

Lovely Professional University

Punjab, India

Bachelor of Technology in Computer Science and Engineering

Jul 2023 – Jun 2027