Vaibhav Kulshrestha

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EDUCATION

Lovely Professional University   Punjab, India
Bachelor of Technology in Computer Science and Engineering   *Jul 2023 – Jun 2027*
- Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Web Development

EXPERIENCE

Co-founder   May 2025 – Present
KisanConnect (MSME Funded Startup)   *India*
- Co-led the 6-member team and won the MSME Ideathon, securing 5L funding
- Designed the mobile and web applications for the project
- Designed news-feed system & chatbot integrated Firebase Auth and Firestore
- Deployed production app with Dockerized setup on Firebase Cloud Hosting
- Reduced farmer onboarding time by 35% through optimized workflows and caching

Frontend Developer Intern   Feb 2024 – Feb 2025
Pentaomnia Pvt. Ltd.   *India*
- 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

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 mangement
- Used Next.js for refined and optimized frontend rendering

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

Portfolio | *TypeScript, React, TailwindCSS* | vaibhavkulshrestha.me | GitHub   2025
- Designed complete portfolio website using TypeScript, React, and Tailwind
- Integrated interactive UI elements like Pokeball cursor, Neko cat follower, and catch mechanism

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, Java, HTML, CSS
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

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified Foundations Associate – AI Foundations
Oracle

Oracle Cloud Infrastructure 2025 Certified DevOps Professional
Oracle

Oracle Cloud Infrastructure 2025 Certified Developer Professional
Oracle

Achievements

Winner: MSME Hackathon 2024 (5L grant for Kisan Connect)
Qualified: SIH Nationals 2024 & 2025 by developing an AI assisted FIR registration app in 2024 and PashuDrishti in 2025
Won: 3 college hackathons