

VISHAL SINGH



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CAREER OBJECTIVE

Enthusiastic and detail-focused professional aiming to leverage skills in software development, web technologies and cybersecurity to contribute to innovative projects, enhance digital security, and grow in a dynamic team environment.

EDUCATIONAL QUALIFICATIONS

Degree /Certificate	Institution/ Board	Year	CGPA / Percentage
Graduation	Lovely Professional University	Pursuing	7.54 – IV Sem
12 th	Little Flower Sr. Sec. School	2022	77%
10 th	Little Flower Sr. Sec. School	2020	85%

TECHNICAL SKILLS

- **Languages:** Python, HTML, CSS, JavaScript, C, C++, JAVA
- **Frontend Tools:** Bootstrap, React.js, Figma
- **Backend:** Node.js, Flask, Firebase, Django
- **Tools:** Wireshark, Burp Suite, Nmap, Metasploit, GitHub, VS Code, VirtualBox, Git
- **Databases:** MySQL, SQLite, MongoDB, Mongoose
- **Production Tools:** VirtualBox (for virtualization), Git, GitHub, VS Code (for code and version control), Docker

PROJECTS UNDERTAKEN

Eco-Retail: AI-Powered Circular Commerce Platform (Walmart Sparkathon) JULY 2025

- **Objective:** To reduce retail and household waste by enabling AI-driven upcycling, sustainable buying, and carbon-efficient delivery for both consumers and enterprises.
- **Description:** Developed an AI-powered web platform that **scans waste using suggests DIY upcycling videos**, and enables users to sell eco-products. **Integrated smart discounting for near-expiry items, gamified CO₂ savings**, and multilingual inclusive tutorials. **For enterprises, included waste analytics, B2B raw material trade**, and ESG compliance tools to unlock circular economy value.
- **Tech Stack:** Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, YOLOv8, OpenAI API, Google Maps API, Firebase, Vercel, JWT Auth, REST API.

Medicare-AI - AI-Powered Healthcare Management Platform (Code Clash Hackathon) JULY 2025

- **Objective:** Developed a comprehensive healthcare platform leveraging AI for medical analysis, record management, and patient-provider connectivity to democratize healthcare access.
- **Description:** Built a **full-stack healthcare management** solution featuring **AI-powered symptom analysis** and **medical report interpretation** using Google Gemini AI. Implemented multi-language support (English, Hindi, Marathi, Gujarati, Tamil, Telugu), **advanced document processing** with PDF/image OCR, **health monitoring, doctor directory with location-based search, secure medical records management**, and **payment integration**. Developed responsive UI with comprehensive authentication, real-time notifications, and scalable MongoDB backend.
- **Tech Stack:** Next.js, React, TypeScript, Tailwind CSS, MongoDB, Google Gemini AI, Stripe, Twilio, Node.js, Radix UI, Framer Motion, React Hook Form, Chart.js, NextAuth.js, bcrypt, Poppler, Tesseract OCR, UploadThing, Nodemailer, ESLint

AI- Personal-Ergonomic- Assistant (Chat Bot)

- **Objective:** This is a Flask-based web application that provides ergonomic advice and tips.
- **Description:** A smart assistant **designed to monitor and improve user posture** and ergonomics using AI. It **provides real-time feedback, reminders, and personalized suggestions** to reduce strain and **promote healthier work habits**, especially during long computer usage sessions.
- **Tech Stack:** Flask, Python, Google Gemini AI, HTML5, CSS3, JavaScript (ES6+), Jinja2, Werkzeug, Vercel, Font Awesome, Google Fonts (Poppins), Session Management, RESTful API, Responsive Design, Glassmorphism UI, CSS, WebSocket-like Chat,

CERTIFICATIONS:

FREE CODE CAMP Building website	October 2023
NON-TECHNICAL COURSE The Project of management the Basic of success Certified	October 2023
NPTel Technical Course Cloud Computing	May 2025

ACHIEVEMENTS:

- Finalist, National Level Hackathon, Google Office (2025)
Advanced to the final round among 20 teams competing nationwide, showcasing strong problem-solving and teamwork skills.
- Got 4 Star in python Haker rank.

Hobbies:

reading, traveling, sports, listening music, playing video games, learning languages, coding

Languages:

- Hindi
- English