

Nirajan Khatiwada

📍 Makwanpur, Nepal ✉ nirajankhatiwada29@gmail.com ☎ 9866388755 🌐 nirajankhatiwada.com.np
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Professional Summary

Full Stack Developer with expertise in Python, JavaScript, React, and Django REST Framework. Detail-oriented computer science student skilled in developing secure applications, ecommerce solutions, and social media platforms. Demonstrated technical excellence through competitive programming achievements and practical problem-solving. Committed to implementing clean, performant code with strong focus on user experience and system security.

Technical Skills

Programming Languages: Python, JavaScript, C, HTML, CSS

Frameworks & Libraries: React.js, Django, Django REST Framework

Developer Tools: Git, GitHub, Docker, Heroku, Linux (Basic), MVC Architecture

Database Systems: SQLite, Database Design

API Integration: OpenAI API, RESTful APIs

Projects

AI Coding Assistant

[View Project](#)

- **Engineered** a secure AI-powered coding assistant that analyzes code screenshots and delivers accurate solutions using OpenAI's GPT-4o model
- **Implemented** advanced security with Windows API's SetWindowDisplayAffinity to prevent unauthorized screen capture, ensuring data confidentiality during technical assessments
- **Technologies Used:** Python, Windows API, OpenAI GPT-4o

Nepcart - Full-Featured Ecommerce Platform

[View Project](#)

- **Developed** a comprehensive ecommerce solution with product catalog, shopping cart, and secure checkout functionality
- **Integrated** payment gateway and automated email notification system for order confirmations
- **Designed** responsive UI/UX for optimal customer experience across desktop and mobile devices
- **Technologies Used:** Django, SQLite, HTML, CSS, SMTP, MVC Architecture, Heroku

Socol - Social Media Platform

[View Project](#)

- **Architected** a robust backend for a social networking platform with user authentication and content management
- **Implemented** social features including user follows, personalized feeds, post interactions, and profile customization
- **Created** RESTful API endpoints to facilitate seamless front-end integration
- **Technologies Used:** Django, SQLite, Heroku, GitHub

Withepc - Service Company Website

[View Project](#)

- **Designed** and developed a professional company website for a service provider showcasing their offerings
- **Created** responsive layouts and intuitive navigation to enhance user experience
- **Implemented** contact forms and service request functionality to generate business leads
- **Technologies Used:** Django, HTML, CSS

React Typing Game

[View Project](#)

- **Built** an interactive typing speed and accuracy improvement game using React.js
- **Implemented** real-time performance metrics tracking and progress visualization

- **Designed** engaging UI with difficulty levels and achievement system
- **Technologies Used:** React.js, JavaScript, HTML, CSS

Education

Bachelor of Science in Computer Science and Information Technology

Oct 2023 – 2027

Hetauda City College - Makwanpur, Nepal

(Expected)

- Coursework: Data Structures and Algorithms, Web Development, Database Systems, Software Engineering
- Practical projects in full-stack development, system design, and software architecture
- Actively participating in programming clubs and technical workshops

Higher Secondary Education, Computer Science

2022 – 2023

Hetauda School of Management - Makwanpur, Nepal

- Achieved GPA: **3.65/4.0**
- Specialized in computer science fundamentals and mathematics

Achievements & Certifications

1st Place Winner - HCC Code Contest

Hetauda City College · September 2024

Secured 1st position among 9 competing teams by demonstrating superior algorithmic problem-solving and efficient coding techniques.

2nd Place Finalist - HSMSS LogiCon 2024

Hetauda School of Management and Social Sciences · July 2024

Earned 2nd position among 11 teams from 6 different colleges by showcasing exceptional logical reasoning and programming skills.

Technical Blog & Portfolio

Maintain an active technical blog documenting software development insights, coding patterns, and technology tutorials at reference.nirajankhatiwada.com.np [🔗](#).