

Vivek Kumar Sharma

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Professional Summary

Motivated Computer Science undergraduate with hands-on experience building responsive, scalable web applications and automation tools. Passionate about cybersecurity and data science. Proven ability to reduce manual workloads and improve process efficiency through innovative tech solutions.

Education

BTech in Computer Science and Engineering, United Institute of Technology (AKTU), Prayagraj, India

August 2021 - June 2025 | CGPA: 6.63/10

Class 12th, Bal Bharti School (CBSE), Prayagraj, India

April 2020 - June 2021 | Percentage: 79

Class 10th, Bal Bharti School (CBSE), Prayagraj, India

April 2018 - March 2019 | Percentage: 74

Projects

- Smart Attendance System with Live Face Recognition
 - Developed a web-based attendance system using Python, OpenCV, and Flask that reduced manual entry errors by 90%.
 - Engineered real-time facial recognition to automate user authentication.
 - Designed and implemented a secure SQL database for storing user profiles and attendance logs.
 - Improved administrative efficiency in schools and workplaces by integrating scalable, secure features.
- Hospital Management System | ReactJS
 - Designed and built a responsive hospital management web app using React.js, improving patient record access by 70%.
 - Implemented core modules for doctor/patient records, appointment scheduling, and billing.
 - Integrated real-time API updates, enabling seamless cross-device access.
- Advanced Keylogger | Python
 - Programmed a multifunctional keylogger that captured keystrokes, screenshots, and system data for cybersecurity research.
 - Applied advanced encryption to secure log files and ensured safe transmission via email.
 - Automated log report generation and delivery, enhancing analysis efficiency by 60%.
- Minor Projects
 - Snake and Ladder Game: Developed an interactive command-line interface game to practice logic structuring in Python.
 - Calculator App: Created a GUI calculator using Tkinter, optimizing arithmetic performance and responsiveness.

Certifications

- Python Programming - United Institute of Technology
- Java Programming Certification - United Institute of Technology
- Web Development - United Institute of Technology
- Web Development Qualification Test - MSME Gov. Certified
- TARANG Competition Participation
- Lead, Soft Computing Research Society

Technical Skills

Languages: Python, JavaScript, HTML/CSS, SQL

Frameworks & Tools: React.js, Flask, OpenCV, Tkinter, MS Office

Coursework: DBMS, Software Engineering

Interests: Web Development, Cybersecurity

Soft Skills: Self-driven learning, Adaptability, Presentation