Jasvant

AI & Computer Vision Enthusiast | Final-Year B.Tech (CSE)

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Portfolio : https://jasvant0020.github.io/portfolio-website-/

Education

Dr. A.P.J. Abdul Kalam Technical University Lucknow Uttar Pradesh India	
Bachelor of Technology in Computer Science Engineering.	2022 – 2026
Uttar Pradesh Board of High School and Intermediate Education Lucknow, India	
Senior Secondary	2020 – 2021
Uttar Pradesh Board of High School and Intermediate Education Lucknow, India	
Secondary	2018 – 2019

Technical Projects

Project Argus – Face Recognition Alert & Attendance System
- Built a real-time face recognition system using Python, OpenCV, and face_recognition.
- Implemented Telegram Bot API for instant alerts and CSV/JSON-based attendance logging.
- Optimized performance with face encoding caching and time-gap protection to prevent duplicate logs.
- Added snapshot logging to capture full webcam frames with metadata for evidence tracking.

SpyPop 2.0 Media – Encrypted Self-Destruct Popup
- Developed an extended version of SpyPop supporting text, image, and audio encryption/decryption using Fernet.
- Designed a Tkinter-based GUI with a countdown timer and secure self-destruct mechanism.
- Automated deletion of sensitive files and executables after message viewing for enhanced privacy.
- Packaged the project into a standalone .exe application using PyInstaller.

SecureVsion (YOLOv8 + OpenCV)
- Created a real-time person detection system for restricted-area monitoring using YOLOv8 and OpenCV.
- Integrated pygame for smooth, non-blocking alert sound playback.
- Delivered a lightweight solution optimized for security and surveillance applications.

Portfolio Website
- Designed and deployed a responsive personal portfolio website using HTML5, CSS3, and JavaScript.
- Integrated Google Sheets API and Google Apps Script to store form submissions and send notifications.
- Showcased key projects, skills, and achievements with an interactive and user-friendly layout.

Technical Skills and Interests

- Programming: Python, Java, HTML5, CSS3
- Computer Vision: OpenCV, face_recognition, YOLOv8, real-time video processing .
- Web Development: Responsive design, Google Apps Script, Google Sheets API integration .
- Security & Encryption: Cryptography (Fernet), secure file handling, self-destruct mechanisms .
- Tools & Frameworks:Django PyInstaller, Tkinter, Git/GitHub, API integration (Telegram Bot, Google API) .
- Additional: Attendance & logging systems (CSV/JSON), alert systems (sound, notifications), modular system design.

Certifications

- Python Programming Certificate
- Blue Prism Foundation Training
- JAVA OOP Certificate
- Cybersecurity By Rahul Mishra
- IIT kanpur

Soft Skills

- Strong problem-solving ability.
- Fast learner and adaptable.