Krusha SR

Aspiring Software Developer | B.Tech Information Technology, 4th Year

Saranathan College of Engineering

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Career Objective

Aspiring Software Developer with a strong foundation in full-stack development and a passion for AI-driven technologies. Seeking a challenging role where I can leverage my technical skills and creativity to build scalable, user-centric applications, contribute to innovative projects, and continuously grow within a collaborative and forward-thinking team.

Technical Skills

Programming Languages: Python, Java
Frontend: HTML, CSS, JavaScript
CV Tools & Libraries: OpenCV, DeepFace, YoloV5
Version Control & Collaboration: Git, GitHub

Education

B.Tech – Information Technology (2022 - 2026):
  Saranathan College of Engineering | CGPA: 8.057/10 (up to 6th semester)
Higher Secondary - (12th):
  A.K.K.V Aarunadu Matric Higher Secondary School | Percentage: 78.67% | (2021 - 2022)
Secondary - (10th):
  A.K.K.V Aarunadu Matric Higher Secondary School | Percentage: 88.4% | (2019 - 2020)

Internships (Online)

Frontend Developer Intern – Cognifyz (Jun 2024)

- Developed a responsive UI using HTML, CSS, and JavaScript with interactive elements and animations.
- Focused on clean code structure and mobile-friendly design.
- Completed and submitted a personal project based on given specifications.

Web Developer Intern – Internpe (Sept 2024)

- Created static, responsive web pages using HTML, CSS, and media queries.
- Followed project specs to build a standalone website demonstrating web fundamentals.
- Practiced structuring content and layout for cross-device compatibility.

Web Developer Intern – Octanet (May 2024)

- Built a complete front-end website independently based on task guidelines.
- Applied modern web design principles for visual appeal and usability.
- Used basic JavaScript for form validation and interactivity.

Workshops (Online)

AI Tools - Be10x (Apr 2024)
Data Tableau - jobaaj (May2024)

Certifications

JavaScript & HTML5 – The Language – Infosys Springboard
Introduction to Artificial Intelligence – Infosys Springboard

Projects

Face Recognition-Based Attendance System

- Developed a real-time attendance system using DeepFace and OpenCV to identify individuals via webcam.
- Matched live faces with reference images and logged attendance with timestamps in a text file.
- Enabled continuous face scanning for classrooms, corporate environments, and event check-ins.

Real-Time Age and Emotion Detection

- Built a real-time system using DeepFace and OpenCV to detect facial emotions and estimate age from webcam input.
- Displayed interactive overlays with age, emotion, and personalized feedback messages.
- Optimized for minimal latency to ensure smooth and responsive user interaction.

Emotion Driven Greetings

- Created an emotion recognition tool that captures webcam input and detects dominant emotions.
- Delivered personalized motivational greetings based on seven emotional states using DeepFace.
- Designed with simple key controls (e.g., Spacebar to capture) for fast and user-friendly operation.

Emotion-Based Access Control System

- Developed a real-time access control system that uses facial emotion recognition to allow or deny access.
- Implemented logic to respond to emotions like "happy" or "neutral," with timestamped logs for each entry.
- Applied for security and behavioral monitoring scenarios.

Real-Time Object Detection

- Implemented real-time object detection using YOLOv5s and OpenCV with webcam input.
- Displayed bounding boxes and class labels for multiple object categories in live video.
- Designed for scalable use in surveillance, robotics, and computer vision applications.

Key Contributions

- ❖ Improved accuracy of emotion detection models through optimized image preprocessing.
- ❖ Streamlined UI and logic for real-time emotion-based applications.
- ❖ Built interactive tools for live facial analysis using computer vision techniques.

Declaration

I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.

Date: 30/08/2025
Place: Trichy

[Krusha SR]