SIMRANPREET KAUR

Entry-Level web Developer — AI & ML Enthusiast

Nabha , Punjab

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CAREER OBJECTIVE

Motivated entry-level developer with hands-on experience in **Artificial Intelligence, Machine Learning, and Computer Vision**. Passionate about building real-world AI solutions and web-based ML applications. Seeking an opportunity to apply technical skills, learn industry best practices, and contribute to innovative projects.

EXPERIENCE

AI/ML Intern — NIELIT / IIT Ropar (Collaborative Program)

June 2025 – December 2025

- Worked on real-world **AI and Machine Learning projects** using Python.
- Developed **computer vision systems** using YOLO, OpenCV, and TensorFlow.
- Built **Object Detection** and **Face Detection** applications with YOLO models.
- Gained exposure to **research-oriented development and deployment workflows**.

EDUCATION

Bachelor of Technology (B.Tech) — Computer Science

2022 – 2026

CGPA: 8.0 / 10 (≈ 80%)

PROJECT

1. Hand Gesture Recognition System
- Developed a computer vision-based system to recognize hand gestures in real time.
- Enabled gesture-based control for applications using OpenCV and ML techniques.

2. Text-to-Speech System
- Built a Python application to convert text input into natural-sounding speech.
- Gained hands-on experience with speech synthesis and human–computer interaction.

3. Object Detection System(using yolo)
- Implemented an object detection model to identify and localize objects in images and videos.
- Applied computer vision techniques for automation and monitoring use cases.

4. Face Detection System
- Developed a real-time face detection application using OpenCV.
- Strengthened understanding of image processing and facial feature detection.

5. Stock Market Analysis
- Analyzed stock market data to identify trends and patterns using Python.
- Applied data analysis techniques for visualization and basic prediction insights.

TECHNICAL SKILLS

Programming Languages: Python
AI / Machine Learning: YOLO, TensorFlow, OpenCV, Model Training & Evaluation
Libraries & Tools: NumPy, Pandas, Matplotlib, PowerBi ,GitHub
Web Technologies: HTML, CSS
Platforms: VS Code, Google Colab

COURSES AND CERTIFICAT

- Programming essentials in python (Cisco network)
- AI/ML Internship Certificate — IIT Ropar Collaborative