

# Paras Misra

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Santokhgarh, Una, Himachal Pradesh, India

## PROFESSIONAL SUMMARY

Recent MCA graduate with strong expertise in Python, TensorFlow/PyTorch, OpenCV, Flask, and SQL. Experienced in end-to-end machine learning lifecycle, computer vision (real-time object detection, face recognition), predictive analytics, and production-ready API deployment. Proficient in data preprocessing, statistical modeling, feature engineering, and actionable insight generation using Pandas, Seaborn, and Tableau. Seeking an entry-level AI/ML Engineer or Data Analyst role to deliver high-impact, data-driven and intelligent solutions in a progressive organization.

## EDUCATION

### Master of Computer Applications (MCA)

*Sri Guru Teg Bahadur Khalsa College*

Sri Anandpur Sahib, Punjab

*Master's 2025 CGPA: 8.90/10*

### Bachelor of Computer Applications (BCA)

*Government P.G. College*

Una, Himachal Pradesh

*Graduated 2022 CGPA: 7.56/10*

## TECHNICAL SKILLS

**Programming Languages:** Python, HTML, CSS, SQL

**Frameworks:** Flask, Bootstrap, API Integration

**Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn

**Machine Learning / AI:** Scikit-learn, TensorFlow

**Tools:** Git, GitHub, PowerBI, Jupyter Notebook, VS Code, Google Colab, Glitch, Hugging Face, PythonAnywhere

## PROJECTS

### AI-Based Solutions Platform | *Python, Flask, OpenCV, YOLO, DeepFace, Pandas, NumPy*

- Developed a multi-feature AI platform supporting emotion & age detection, OCR-based object detection, AI-generated summaries, and ML-based predictions.
- Implemented predictive models for diabetes, heart disease, wine quality, diamond price, student performance, and iris classification.
- Integrated Google Gemini API for text summarization and conversational insights.
- Designed clean, responsive UI with a unified web-based interface.

### VisionSpeak – AI Assistive Application | *Flask, OpenCV, YOLOv5, MiDaS, React, Tailwind*

- Built a real-time object detection and depth estimation system with audio narration for visually impaired users.
- Implemented webcam video streaming with dynamic bounding boxes and accessibility-focused design.
- Integrated pyttsx3 for text-to-speech conversion of scene descriptions.

## CERTIFICATIONS

- Data Science and Analytics – C-DAC Mohali

- Web Development Course – National Skill Development Corporation (NSDC)

## TRAINING & INTERNSHIP

### Web Development Training

India

*National Skill Development Corporation (NSDC)*

- Designed responsive websites using HTML, CSS, Bootstrap, and integrated APIs.

### Data Science & Analytics Training

Mohali, India

*Centre for Development of Advanced Computing (C-DAC)*

- Worked on data preprocessing, statistical analysis, visualization, and ML fundamentals.

### AI & ML Training

Ropar, India

*NIELIT Ropar in collaboration with IIT Ropar*

- Focused on deep learning, model building, and computer vision using TensorFlow and OpenCV.