

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.