

## Professional Summary

Experienced AI Engineer with 5+ years specializing in computer vision, NLP, and AI automation. Proven track record of building end-to-end AI systems that reduce operational costs and improve efficiency.

## Experience

- Aug  
2021–Present

**Lead AI Engineer, Infilect, Bangalore.**
  - Led AI team (3-4 engineers) to build and maintain end-to-end pipeline for 8+ customer setups.
  - Built generic brand recognition using SOTA models (BLIP, CLIP, LLama 3.2, Yolo World).
  - Reduced data requirements by 90% through open vocabulary object detection models.
  - Optimized AI models for deployment (TensorRT, TFLite, SparseMI) for mobile/cloud.
  - Built tools around models to automate operational tasks, reducing manual effort by 70%.
- Nov 2020–Jul  
2021

**Deep Learning Engineer, Tarsyer, Pune.**
  - Developed multi-camera system using Raspberry Pi and Google Coral for bag detection.
  - Deployed APIs for meter reading, barcode and serial number recognition.
  - Implemented vehicle/person tracking with speed calculation and social distancing metrics.
- April 2019–May  
2020

**Data Scientist, Vidooly, Noida.**
  - Developed solution for obstruction detection, truck parking, and brand safety.
  - Built prediction model for YouTube video ad view forecasting.

## Education

- 2015–2019

**B.Tech, Computer Science, LNMIIT, Jaipur.**
- 2014

**XII CBSE Board (90%), D.A.V. Public School, Hazaribagh.**

## Technical Skills

- AI/ML

Deep Learning, Computer Vision, NLP, LLMs, Transformers, GenAI
- Frameworks

PyTorch, TensorFlow, TensorRT, Ollama
- Languages

Python, Java, C++
- DevOps/DB

Docker, Kubernetes, Git, GCP, MongoDB, MySQL, Redis, Kibana
- Hardware

Jetson Nano, Raspberry Pi, Google Coral Edge TPU

## Key Projects

- Vision

Real-time face recognition system deployed on Jetson Nano.
- Industrial AI

Multi-label classification for quality control, Detection with minimal data.
- GenAI

Custom RAG-based document assistant using LangChain and Ollama for local deployment of deepseek-r1:8b.

## Languages

- English

Fluent
- Hindi

Native