

# Siva Ganesh

AI/ML Engineer

siva.ganesh@email.com

+91 76543 21098

Mumbai, Maharashtra

## SUMMARY

Innovative AI/ML Engineer with a deep focus on Generative AI, Large Language Models (LLMs), and Computer Vision. 4 years of experience building, fine-tuning, and deploying state-of-the-art machine learning models. Expert in Python, PyTorch, and cloud-based ML pipelines.

## EXPERIENCE

### Machine Learning Engineer

2023 - Present

*DataMinds AI*

- Led the development of a domain-specific customer support chatbot by fine-tuning Llama-2 7B models on internal datasets, reducing support ticket volume by 30%.
- Designed and implemented a RAG (Retrieval-Augmented Generation) pipeline using Pinecone vector database and LangChain for accurate document retrieval.
- Optimized model inference latency by quantization and deploying models using ONNX Runtime and Triton Inference Server.

### Data Scientist

2020 - 2023

*Visionary Tech*

- Developed high-accuracy object detection models for retail inventory management using YOLO v5 and Faster R-CNN architectures.
- Deployed computer vision models to edge devices (NVIDIA Jetson) using TensorFlow Lite, ensuring real-time performance.
- Conducted extensive data analysis and preprocessing to improve dataset quality and model generalization.

## PROJECTS

### DocQuery AI

An intelligent document search engine that allows users to query PDFs using natural language.

### VisionGuard

Real-time safety monitoring system for manufacturing plants using CCTV feeds and AI analysis.

## SKILLS

Python | PyTorch | TensorFlow | Generative AI | LLMs (Llama, GPT) | LangChain | Computer Vision (YOLO) | NLP | FastAPI | MLOps

## EDUCATION

### M.Tech in Artificial Intelligence

IIIT Hyderabad

2020