

[YOUR NAME]

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PROFESSIONAL SUMMARY

AI/ML Engineer with 3+ years of experience deploying production-scale machine learning systems that process 1.5TB+ of data annually. Specialized in computer vision, NLP, and MLOps with proven track record of reducing processing time by 80% and improving model accuracy to 98%. Expert in building end-to-end ML pipelines using PyTorch, TensorFlow, and cloud platforms (Azure ML Studio). Recognized with 2 Insta Awards for innovative solutions.

TECHNICAL SKILLS

Languages: Python, SQL, C, MATLAB, TypeScript

Machine Learning: Deep Learning (CNNs, RNNs, Transformers), Computer Vision, Natural Language Processing, RAG-LLM

Frameworks & Libraries: PyTorch, TensorFlow, Keras, Scikit-learn, OpenCV, LangChain

Tools & Platforms: Azure ML Studio, CUDA, MLFlow, Hugging Face, Apache Kafka, Docker, MongoDB

PROFESSIONAL EXPERIENCE

Senior AI/ML Engineer

[COMPANY NAME] | Pune, IN

Jan. 2025 - Present

- Architected and deployed MLOps pipeline for real-time anomaly detection on Azure ML Studio, processing 1.5TB of unstructured data annually and reducing asset valuation time by **60%**
- Engineered automated RAG-LLM system for information extraction and validation, utilizing Object Detection to cut manual review time by **80%** in production environment
- Led cross-functional team to design asset traceability feature enabling event clustering in under **10 seconds**; recognized with 3rd Insta Award for stakeholder collaboration excellence

AI/ML Engineer

[COMPANY NAME] | Pune, IN

Jun. 2022 - Apr. 2025

- Developed production-grade tag detection model with CV heuristics achieving **97% recall** for multi-page irregular table merging with complex headers and sub-tables
- Reduced human review cycles by **80%** through post-inference quality-control pipeline leveraging autoencoder embeddings and morphological features achieving **95% error detection**
- Built NLP-driven page series detection system integrated with XGBoost classifier, achieving **98.1% accuracy** for sub-document classification validation
- Optimized downstream AI pipeline efficiency by **31%** and reduced PDF size by **72%** through intelligent page-type classification and selective OCR; awarded Insta Award for innovation

KEY PROJECTS

E-Commerce Semantic Search with RAG-LLM on Knowledge Graph | LangChain, FAISS, Neo4j

- Engineered graph-based retrieval service with semantic search and relevance reranking via webscraping and LLM-generated Cypher queries, achieving **84% baseline accuracy** for natural language queries

AI-Powered Urban Planning Platform | GeoPandas, Scikit-learn, TensorFlow

- Developed semi-supervised platform on 80+ year custom GIS dataset for urban layout optimization using PCA, spatial interpolation, tensor field modeling, and graph-based algorithms

Facial Recognition for Missing Children | NumPy, OpenCV, FastAPI, React.js

- Architected distributed geo-encoded search algorithm over CNN (ResNet-34 architecture) achieving **99.38% accuracy** using 68 facial landmarks for identity recognition

Diagnose Digital Eye Strain with Deep Learning | Neural Networks, Transfer Learning

- Built video analytics prototype detecting digital eye strain and posture issues using Haar Cascades and monocular depth estimation, achieving **92% accuracy**

ACHIEVEMENTS & CERTIFICATIONS

- **IBM Machine Learning Professional Certification** - Deep Learning Specialization (Coursera)
- Released open-source Python library (PyPi) for solving PDEs with added functionality to Jupyter Notebook, removing 39MB dependency overhead
- **1st Place** at [Hackathon/Competition] for developing NLP-powered Language Processing utility and social media traffic analytics

EDUCATION

Bachelor of Engineering (B.E.) - Computer Engineering

University of Mumbai | Mumbai, IN

CGPA: 9.4/10 | Aug. 2018 - May 2022