

Liza Fernandes

Senior AI/ML Engineer

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Professional Summary

Senior AI/ML Engineer with 6+ years of experience designing and deploying AI solutions for e-commerce and healthcare domains. Expert in NLP, computer vision, model optimization, and leading small teams to deliver business-impacting ML products.

Technical Skills

- Python, R, SQL
- Deep Learning (TensorFlow, PyTorch, Keras)
- NLP (BERT, Transformers, Text Classification, NER)
- Computer Vision (CNN, ResNet, Object Detection)
- ML Pipeline Automation Deployment (FastAPI, Docker)
- Tableau, Power BI, Matplotlib
- Team Leadership Mentorship

Professional Experience

AI Innovations Pvt. Ltd.

Senior AI/ML Engineer

Mumbai, India

Mar 2017 – Present

- Led AI/ML projects delivering predictive insights for customer segmentation, sales forecasting, and product recommendations
- Developed NLP pipeline for sentiment analysis on 1M+ customer reviews, improving marketing strategy effectiveness by **20%**
- Built object detection system for warehouse automation, reducing manual inspection time by **35%**
- Mentored 3 junior engineers in model development, deployment, and code best practices
- Introduced model versioning and CI/CD practices, reducing production bugs by **40%**

ML Engineer — SmartData Labs

2015 – 2017

- Designed predictive models for customer churn and retention
- Implemented dashboarding and reporting to monitor model KPIs
- Worked closely with stakeholders to identify actionable insights

Education

Bachelor of Engineering — Electronics Communication Engineering
NIT Trichy, India

2015

Certifications

- Advanced Deep Learning — Coursera
- NLP with Transformers — Hugging Face
- TensorFlow Developer Certificate