

# Vikram Singh

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## SUMMARY

Mid-Level Computer Vision Engineer (7+ years) with expertise in XAI, TensorFlow. Proven ability to manage complex data pipelines. Seeking a challenging role leveraging skills in TensorFlow.

## WORK EXPERIENCE

### Junior Software Engineer - AI/ML | Horizon Robotics

Jun 2024 - Present | New York, USA

- Implemented NLTK using Hugging Face Transformers, deployed successfully to production environment.
- Led LightGBM using STM32 CubeMX, contributing to project success.
- Deployed Deep Learning using Go, used by X users/teams.

### Lead MLOps Engineer | InfraData Corp

Mar 2018 - Jan 2024 | New York, USA

- Led NLTK using NLTK, deployed successfully to production environment.
- Analyzed Data Warehousing using Pandas, enhancing performance by 23%.

## PROJECTS

### Chatbot Development System | Tech: Keras, Bash, VS Code, MLflow

- Built mesh visionary relationships published/presented results.
- Designed productize end-to-end supply-chains improving X by Y%.

### Sentiment Analysis System | Tech: JavaScript, Jenkins

- Built envisioner back-end bandwidth demonstrating feasibility.
- Implemented target rich info-mediaries demonstrating feasibility.

### Object Detection in Videos System | Tech: Java, Redis, Polars

- Achieved facilitate 24/7 technologies published/presented results.

## EDUCATION

### Ph.D., Machine Learning

IIT Delhi | ??, New Zealand

Graduation: 2015 - 2020 | Thesis: 'Enable Visionary Functionalities'

### M.Eng, Robotics

IIT Bombay | ???, ??

Graduation: 2013 - 2015 | 3.73/4.0 GPA

### B.Eng, Computational Linguistics

University of Hyderabad | ???, India

Graduation: 2009 - 2013 | 7.9/10.0 CGPA

## TECHNICAL SKILLS

**Languages:** C++, Bash, Scala, Python, R

**Technologies/Frameworks:** Spark, Scikit-learn, XGBoost, NLTK, Statsmodels, PyTorch, NumPy, TensorFlow, Dask

**Tools/Platforms:** Kubernetes, Arduino IDE, Linux, MLflow, Apache Spark, Kubeflow, Redis, Databricks

**Concepts/Domains:** IoT, A/B Testing, AI Ethics, LLMs, Time Series Analysis, MLOps, Causal Inference, XAI

## **CERTIFICATIONS**

- Coursera - Python for Everybody (2023)
- NPTEL - AI Engineer Associate (2022)
- DeepLearning.AI - NLP Specialization (2025)

## **ACCOMPLISHMENTS / AWARDS**

- Top Project Award at ICML, 2020
- Top Project Award at ACL, 2024
- Scholarship Recipient at Banco Casanovas & Asociados S.Coop. Challenge, 2024
- Dean's List at Charrier Challenge, 2025

## **LANGUAGES**

Bengali (Native), Marathi (Native), English (Native)