

# Tanvi Rao

Junior AI/ML Engineer (Internship Experience)  
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## Professional Summary

Entry-level AI/ML Engineer with internship experience in NLP, computer vision, and recommendation systems. Skilled in Python, TensorFlow, PyTorch, and SQL. Experienced in building end-to-end ML pipelines and delivering model insights to stakeholders.

## Technical Skills

- Python (NumPy, Pandas, scikit-learn)
- Deep Learning (TensorFlow, Keras, PyTorch)
- NLP (Text Classification, Named Entity Recognition)
- Computer Vision (CNNs, OpenCV)
- SQL, Data Cleaning, Feature Engineering
- ML Pipeline Deployment
- Tableau / Power BI for visualization

## Internship Experience

AI/ML Intern — DataVision Tech

Jun 2023 – Sep 2023

- Developed CNN-based product defect detection pipeline, preprocessed 20K+ images
- Implemented NLP model for customer feedback classification with **85% accuracy**
- Deployed models via Flask API for internal testing
- Presented model insights to operations and QA teams for decision-making

## Projects

### Movie Recommendation System

- Built collaborative filtering recommender on MovieLens dataset (100K+ ratings)
- Achieved **RMSE = 0.91** on test data

## Education

Bachelor of Engineering — Computer Science AI  
Amity University, Noida, India

2024

## Certifications

- Deep Learning with TensorFlow — Coursera
- NLP Specialization — Coursera
- Python for Data Science — Udemy