

# Shiv Sunder Pradhan

Bengaluru, Karnataka, India

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## EDUCATION

**National Institute of Technology, Rourkela, Odisha**  
Bachelor of Technology in **Ceramic Engineering**

Dec 2021 - May 2025  
[Gradecard](#) | **CGPA: 8.09/10**

## WORK EXPERIENCE

### Machine Learning Intern at Quantiphi

July 2025 - Sept 2025

TensorFlow | PyTorch | ML OPS | GAN

- Applied **ML, DL, CV, NLP, and Time Series techniques** to build and deploy end-to-end solutions, delivering multiple successful PoCs under tight timelines.
- Implemented Computer Vision and NLP pipelines using industry-standard workflows, improving model accuracy through hyperparameter tuning.
- Developed an end-to-end project for real-time **Paytm logo detection** in cricket matches using **YOLO-based object detection**, fine-tuned on 1,000+ self-annotated images, **with MLOps integration**

## PROJECTS

### AniRecs Ai

Sept 2025

Transformers | Gardio | Python

[Demo](#) | [Hugging Face](#)

- Implemented **AniRecs\_Ai**, a recommendation system deployed on Hugging Face Spaces, leveraging **NLP embeddings** for semantic similarity between anime titles and user queries.
- Engineered a **backend pipeline with vector search (FAISS/Annoy)** to efficiently retrieve top-k recommendations from 20,000+ anime titles.
- Built an interactive frontend using **Gradio**, integrating real-time inference with the deployed model for seamless user interaction.

### License Plate Detection

March 2025

TensorFlow | YOLO | OCR

[Demo](#) | [Github](#)

- Developed an **Automated Number Plate Recognition (ANPR)** system using a custom Convolutional Neural Network (CNN) for bounding box detection and EasyOCR for text recognition, trained on over 25,000 images and annotations in Yolo Format.
- The system **accurately localizes and extracts alphanumeric** characters from number plates
- Engineered the solution to save all recognized plates, along with their location and image name, into a structured CSV file for easy data management and reporting.

## ACHIEVEMENTS

- Starters 59 Division 3 (Rated) Global Rank- 339 out of 2873 as 2-Star coder in CodeChef OCT 2022
- Kaggle Competition **Predict the Introverts from the Extroverts** achieved 0.968623 accuracy. SEPT 2025
- **TVS Credit E.P.I.C 5.0 Challenge** Cleared 1ST Round(Online Quiz) out of 3555 groups, 2nd round(Coding Challenge) out of 350 groups got 4th place out of 21 in 3rd round AUG 2023

## TECHNICAL SKILLS AND COURSES

**Skills:** C, C++, SQL, Python, TensorFlow, Pytorch, NLTK, Git, Github, ReactJs, Transformers, LangChain, LangGraph, SQL

**Courses:** Machine Learning, Deep Learning, Transformers, RAG, MLOps, GAN, LangChain, LangGraph

## PROFILE LINKS

[LinkedIn](#) | [Github](#) | [Leetcode](#) | [Kaggle](#)

## POSITIONS OF RESPONSIBILITIES

### Web Development Member and Mentor, InCers, NITR

- Participated in all InCerS meetings and contributed to the national conference.
- Initially, As a member of the Web Development team, I contributed to the club's website.
- Led a team in the **end-to-end development and deployment of a website**, facilitating conference promotion and registration.

### MRITTIKA 3.0, National Conference

- **Coordinated a team of 11 individuals** to ensure seamless execution of all **on-stage and off-stage requirements** for a three-day national conference.