

Anirudh Narang

AI/ML Engineer & Data Scientist with expertise in deep learning, predictive modeling, and real-time AI solutions . Proficient in Python, TensorFlow, PyTorch, and modern data engineering tools , with experience across finance, computer vision, and NLP . Proven ability to drive innovation, automation, and measurable business impact through scalable AI systems.

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WORK EXPERIENCE

Associate Software Engineer Accenture

09/2023 - Present

Gurugram, Haryana

Professional Summary

- Designed and deployed ML models to process **large-scale financial and policy datasets**, improving prediction accuracy by **15%** and accelerating claims processing workflows by **20%**.
- Conducted **daily data analysis and feature engineering** on structured and unstructured datasets (financial transactions, policy records, documents).
- Collaborated with cross-functional teams to integrate AI insights into business dashboards, boosting business insights delivery.
- Conducted knowledge transfer (KT) sessions and created technical documentation to upskill team members on ML workflows and deployment practices.
- Achieved recognition through the **Gold Star Award (2025)** for delivering **High impact solutions** that directly improved business efficiency.

PROJECTS

Emotion Detection using YOLOv8

- Built and deployed a **real-time facial emotion recognition model** achieving **92% accuracy** across 5 emotion classes on video streams (30 FPS).
- Optimized YOLOv8-based detection pipeline for **low-latency inference** , suitable for real-world applications in surveillance and human-computer interaction.

Custom Hand Gesture Recognition System

- Engineered an LSTM classifier achieving 95% accuracy on a custom dataset built with MediaPipe, enabling gesture-based real-time application control.
- Collected and labeled a custom dataset, then integrated predictions into a GUI for **real-time gesture-based application control**.

Traffic Analytics System (YOLO + BOT-SORT + OpenCV)

- Built a real-time traffic monitoring solution with **YOLO-based object detection** , **multi-object tracking** , and a **custom polygon lane marker tool** .
- Enabled vehicle classification (car, bus, truck), unique ID assignment, and zone-wise counting with exports to annotated video and CSV reports.

EDUCATION

B.Tech ECE

Bhagwan Parshuram Institute of Technology

08/2019 - 08/2023

New Delhi

Percentage

- 91.8%

SKILLS

Programming Languages : Python, Java, R, and SQL

Machine Learning & AI : Deep Learning, Computer Vision, NLP, Predictive Modeling, supervised and unsupervised learning, Transformers, GAN,

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

Data Visualization : Tableau, Excel, Matplotlib, Seaborn

Tools & Platforms : MySQL, FastAPI, JIRA, GitHub, Docker, Flask

ACHIEVEMENTS

Vice Chairperson - IEEE BPIT (Research Society) (08/2022 - 07/2023)

Led a team of 50+ students and organized 10+ workshops and events.

Gold Star Award - Accenture (02/2025 - 06/2025)

Recognized for excellence in delivering high-impact automation solutions.

CERTIFICATES

Data Science Certification – IBM

Machine Learning – Great Learning

Data Structures & Algorithms in Java – Pepcoding

Python Certification – Two Waits Technologies

LANGUAGES

English



Hindi

