

# Anirudh Narang

AI/ML Engineer & Data Scientist with hands-on experience in deep learning, computer vision, and NLP. Skilled in building and deploying real-time AI pipelines for finance, policy automation, and intelligent video analytics. Proficient in Python, TensorFlow, PyTorch, and modern data engineering tools, with a proven ability to deliver scalable AI solutions that automate processes and generate measurable business impact.

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📞 9818924498

📄 [my-portfolio-khn6.vercel.app/](https://my-portfolio-khn6.vercel.app/)

🐙 [github.com/anirudh15-cyber](https://github.com/anirudh15-cyber)

## WORK EXPERIENCE

### Associate Software Engineer

Accenture

09/2023 - Present

Gurugram, Haryana

#### Roles and responsibilities

- Developed and optimized **policies & claims management systems** using SAP ABAP, ensuring scalability and performance improvements.
- Automated recurring processes by writing modular ABAP code, reducing manual efforts by **20%**.
- Collaborated with cross-functional teams for **requirement gathering, debugging, and deployment** of client-specific solutions.
- 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

- Developed and deployed a real-time facial emotion recognition model that **achieved 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, SQL

ML/AI: Deep Learning, Computer Vision, NLP, Predictive Modeling, supervised and unsupervised learning, Transformers (BERT, GPT), GANs

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, increasing student participation in technical activities.

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 | Pepcoding

Python Certification | Two Waits Technologies

## LANGUAGES

English



Hindi

