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.

✉ anirudhnarang16@gmail.com 📱 9818924498

📍 Delhi, India my-portfolio-khn6.vercel.app/

in linkedin.com/in/anirudh-narang 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 automation 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, YOLO, R-CNN, Xception

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
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