Anirudh Narang

AI/ML Engineer with expertise in deep learning, computer vision, and natural language processing. Experienced in building, fine-tuning, and deploying state-of-the-art machine learning models for real-world applications. Proficient in Python, PyTorch, TensorFlow, and modern ML frameworks with a proven record of delivering end-to-end AI solutions across finance, image/video analytics, and predictive modeling domains.

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my-portfolio-khn6.vercel.app/

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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%**.
- Applied **deep learning** techniques for pattern recognition and predictive modeling to refine analytics-driven decision-making by **10%**.
- Collaborated with cross-functional teams to integrate AI insights into business dashboards, boosting business insights delivery.

PROJECTS

Emotion Detection using YOLOv8

- **Built and deployed a real-time facial emotion recognition system using YOLOv8 and CNN, which achieves 92% accuracy.**
- Fine-tuned a YOLOv8-based facial emotion detection model across 5 emotion classes, processing **30 FPS real-time video streams**.

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 dataset using webcam and **MediaPipe** landmarks and implemented an **LSTM** model in **TensorFlow** for sequential **gesture classification**. Integrated predictions into a GUI for real-time gesture-based control.

Real-Time Price Prediction System

- **Developed a real-time ML pipeline to forecast equity and cryptocurrency prices using historical and live market data.**
- Engineered time-series features (moving averages, RSI, volatility) and trained **XGBoost** & **LSTM** models for short-term and long-term price forecasts.
- Designed a **regression model** achieving an R^2 score of **0.89**, improving prediction accuracy over baseline by **18%** enabling short- and long-term trading insights.

EDUCATION

B.Tech ECE
Bhagwan Parshuram Institute of Technology

08/2019 - 08/2023 *New Delhi*

Percentage

- 91.8%

Class XII
Hansraj Model School

03/2018 - 04/2019 *New Delhi*

Percentage

- 89%

SKILLS

Programming Languages: Python, Java, R, and SQL

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

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

Data Visualization: Tableau, Excel, Matplotlib, Seaborn

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

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