LAKSHYA KUMAR

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SUMMARY

Highly motivated BTech graduate specializing in Computer Science and Engineering, with strong foundation in Artificial Intelligence and Machine Learning.

QUALIFICATION

Bachelor of Technology and Engineering **2021-2025**
Noida Institute of Engineering & Technology | 79%
Senior Secondary School **2019-2021**
Pragyan Public School | 95.4%
Secondary School **2017- 2019**
Pragyan Public School | 89.8%

TECHNICAL SKILLS

Programming Paradigms and Languages: **OOPs, Python, Java**
Database**: SQL**
Miscellaneous: **Artificial Intelligence, Machine Learning, NLP, Deep Learning**
Cloud Platform: **AWS**-ec2

PROJECTS

Trader AI - Indian Stock Market Platform: Link **October 2025-Present**

- Developed AI-powered trading platform for Indian stock markets (NSE/BSE) with real-time data processing and intelligent signal generation, achieving 80% accuracy in trading predictions.
- Reduced trading risks by 40% through automated risk management, weight regiem, and portfolio monitoring with real-time WebSocket updates.
- Integrating technical analysis of charts and sentimental analysis of Social media and News to predict market movements and stock predictions.
- Technologies used: FastAPI, React, PostgreSQL, WebSocket, scikit-learn, XGBoost, AWS, Python

OCRX: Smart Expiry Detection: Team Project (2 members) **| Link** **December 2024-May 2025**

- Improved expiry date detection accuracy by 7%, achieving 92% precision by optimizing easyOCR parameters and enhancing image preprocessing and analysis techniques.
- Reduced inventory management errors by making expiry detection more reliable for packaged products.
- Technologies used: OpenCV, easyOCR, Python, Regex, MySQL

INTERNSHIP

Machine Learning Internship at Unified Mentor | Link **September 2025 – November 2025**

- Developed Vehicle price prediction system using ML models, achieving 87% R^2 score.
- Created comprehensive data exploration and visualization pipeline
- Learned and implemented scikit-learn model, matplotlib, pandas, etc.

CERTIFICATIONS

Building Recommender Systems with Machine Learning and AI | Infosys December, 2024
Natural Language Processing using Python | Infosys Springboard October,2024
Building AI Powered Chatbots | IBM, Coursera May,2023

PARTICIPATIONS

Smart India Hackathon (SIH) 2023: Developed bus tracking system to enhance public passenger services.
eLitmus Test: 99%

CODING PLATFORMS

- 4-star in Python on **HackerRank**
- 60+ DSA problems solved on **GeeksforGeeks**