

Lakshay Handa

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SUMMARY

ML & NLP practitioner experienced in **end-to-end AI pipelines**. Achieved **99.95% fraud detection**, created **LLM-based sentiment systems**, and co-created a **voice-first tutor** (4th place, HackFest 2025). Focused on scalable, reliable AI.

TECHNICAL SKILLS

Programming: Python, Rust, Git, MCP

Libraries: NumPy, pandas, scikit-learn, TensorFlow, LangChain, Hugging Face, Plotly

ML: Regression, Classification, NLP, Deep Learning, Prompt Engineering, LLMs

Databases: MySQL, MongoDB

Fundamentals: DSA (Basics), OOP

MLOps: EDA, Evaluation, Streamlit, Docker (Basics), Monitoring

EXPERIENCE

Data Science Intern — Prodigy InfoTech | Nov 2024 – Dec 2024

- Analyzed **45K+ records** for insights.
- Built a **Decision Tree model** (PCA + CV) achieving **92% accuracy**.
- Ran **sentiment analysis** on **74K+ responses**.

[Open Source Contributor](#) — Askage, OSoC'25 | Jul 2025 – Aug 2025

- Added **Auth Token Verification**, securing all sessions.
- Developed a **New Conversation API** (-40% context errors).
- Created a **CLI Login Interface** (-30% setup time).
- Collaborated with **15+ contributors**.

Volunteer — French Embassy India (Choose France Tour 2023)

- Coordinated event operations for **1000+ students**, improving flow & satisfaction by **25%**.
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PROJECTS

[Voice-First AI Language Tutor](#) — HackFest 2025 (4th Place)

- Constructed a **real-time voice tutor** using Agora AI.
- Achieved **<400ms latency** via optimized streaming.
- Designed LLM orchestration improving interaction quality.

[Sentiment Analysis](#) — *The Exorcist* Reviews

- Processed **500+ reviews** with NLP cleaning.
- Engineered **3 prompt strategies** (-40% misclassification).
- Implemented a compact NLP pipeline.

[Fraud Detection \(6.2M+ Transactions\)](#)

- Trained LR/DT/XGBoost reaching **99.95% accuracy**.
 - Evaluated using Precision, Recall, F1.
 - Deployed via **Streamlit**.
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EDUCATION

University of Delhi — B.Com (H) | Expected June 2027

Coursework: Statistics, Mathematics, Financial Management, IT & Data Analysis