

ADITYA GUPTA

Driven Future ML Engineer | Blending Academic Rigor with Self-Driven Projects in Deep Learning & Data Science

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EXPERIENCE

Internship

Larsen & Toubro (L&T) – IT Internship & AI Certification

22 May 2025– Completed

- Earned industry certification in AI & Edge Computing with focus on topics: TinyML, model optimization
- Gained hands-on experience with TensorFlow Lite, Impulse, and edge computing.
- Implemented "Fault Detection in Manufacturing".

Internship

ML Fox Trading (via 1Stop)

22 March 2025 – completed

- Trained in applied ML for trading systems via 1Stop's industry-aligned program.
- Delivered 3 production-ready models under agile timelines.
- Deployment using Streamlit as well as Django using FastAPI

Deloitte Virtual Internship

via Forage

July 2025 – ongoing

- Active Participant in Deloitte's technical training program focused on AI/Data Engineering/Cloud Computing

Technical Skills

- Programming:** Python (NumPy, Pandas, seaborn), SQL, C++
- Machine Learning:** TensorFlow, Scikit-learn, Keras, OpenCV, NLP, LLM's, transformers,
- Cloud/Deployment:** AWS (Beanstalk, EC2), MLflow, Azure ML
- Data Tools:** Tableau(), MATLAB
- Frameworks:** Django, Flask/FastAPI
- Languages:** English (Fluent), Hindi (Native)

Projects

- Random Forest Robustness Analysis** [Scikit-learn, Streamlit (Frontend), Django (Backend), Pandas Tensorflow]
github.com/Random Forest Robustness Analysis
 - Developed an interactive UI for users to upload datasets, adjust RF parameters, and visualize results .
 - Built a data-agnostic framework to test Random Forest accuracy across 5+ datasets .
 - Industrial Casting Defect Detection using CNN** [Python, TensorFlow/Keras]
Aditya20032004/L-Tcasting_defect

LIFE PHILOSOPHY

"Progress isn't exponential; it's the sum of daily iterations, much like training a neural network ."

STRENGTHS

Hard-working Eye for detail Motivator

UX Mobile Devices & Applications Product Mar

LANGUAGES

English
Spanish
German

EDUCATION

High School

Lucknow Public School, Lucknow

2022

Bachelor of Technology

VIT Bhopal University

September 2023– 2027

- **QA System with Ollama-3B-Instruct** *[Team Project, 5 members]*
Aditya20032004/RAG_FEVER
 - Built a fact-checking system that retrieves evidence from pdf using Retrieval-Augmented Generation (RAG).
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