



ABHAY PANDEY

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 GheeandGuts

SUMMARY

Results-driven Data Engineer with strong expertise in Machine Learning and MLOps, combining scalable data infrastructure skills with end-to-end ML deployment experience. Proficient in building data pipelines using Apache Spark, Kafka, and Airflow, and managing cloud storage systems like Azure Data Lake and Snowflake. Skilled in Python, SQL, and NoSQL, with hands-on experience developing ML models using TensorFlow, Scikit-learn, and Keras for tasks such as classification, NLP, and time-series analysis. Experienced in deploying models into production using FastAPI and Docker, and automating workflows through CI/CD pipelines. Passionate about transforming raw, distributed data into intelligent, real-time solutions by bridging the gap between data engineering and applied machine learning.

TECHNICAL SKILLS

Spark MLlib	Azure Data Lake	Power BI	Machine Learning
Apache Airflow	Apache NIFI	Rest & FAST APIs	Data Structures
Data Warehousing	TensorFlow	GPT API, RAG	Django
PostgreSQL and MySQL	Python, C++	LangChain	Automation Framework

INTERNSHIP

Co-Founder Ghee & Guts

May 2025 - Jan 2026

A Marketing, Energy, Soceity and Partnerships venture startup working in tier 2 and tier 3 cities.

Lodestar Strategic

Feb 2025 - June 2025

Research Intern

- **Defence** Research based on Emerging tech
- Data driven research process using Power BI

IBM

May 2024 - July 2024

Deep Learning Intern

- Categorize textual Documents based on content
- Streamlining documents management process

EDUCATION

MCA (Artificial Intelligence) (Pursuing)

2025- 2027

Jamia Hamdard University, New Delhi (Govt. Aided)

- Author of a **Research Paper** for Polymer detection using AI.

Bechelor's of Artificial Intelligence and Machine learning

2022- 2025

University of Petroleum and Energy Studies

- Major in Machine Learning and Artificial Intelligence
- **Research Paper** on " Detect Atrial Fibrillation using Deep Learning 1D data (92% Accuracy)" .
- Design and implementation of a **real-time fraud detection pipeline** integrated with machine learning models for scalable, low-latency financial anomaly detection and behavioral pattern analysis."

PROJECTS

Data Engineering - Airlines ETL pipeline Development

Web Development - Book recommendation system

SDLF - Ground water and its Grassroot problem

DBT- Netflix Data Analysis (Power BI)

LLM - Memory-enabled LLM chatbot using Langchain,

CERTIFICATION

- Machine Learning with python (IBM)
- SQL for data science (IBM)
- Intro to Frontend (Meta)
- **Project Management (London School of Business and Finance)**
- **Machine Learning with Python**
- Intro to Deep Learning and Neural Networks with keras
- Introduction to Computer Vision and Image Processing
- Diplomacy (University of London)