

# Ankit

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## SUMMARY

Hands-on experience building production-ready ML and GenAI systems, including LLM-powered applications, RAG pipelines, and real-time inference services. Strong proficiency in Python, FastAPI, embeddings, vector search, and data pipelines. Backed by a solid mathematical and statistical foundation, with experience delivering scalable, business-impacting AI solutions.

## EDUCATION

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| <b>Masters of Operational Research, University of Delhi</b><br>Relevant Coursework: Python, Statistics, Econometric Modelling and Forecasting                      | CGPA: 8.15   2022–2024 |
| <b>Bachelor Of Mathematical Science, University of Delhi</b><br>Relevant Coursework: Algorithms and Data Structures, Database Management System, Operating Systems | CGPA: 9.47   2019–2022 |

## WORK EXPERIENCE

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| <b>Business Analyst, EXL</b><br><i>Gurugram, Haryana</i>   | <b>Apr 2025 – Present</b>  |
| <ul style="list-style-type: none"><li><b>Help Forum Insights Chatbot (RAG-based):</b> Built a conversational AI chatbot to analyze large-scale help forum data, improving visibility into customer pain points by <b>80%</b>. Implemented automated pipelines for scraping and preprocessing data to enable continuously updated insights via an interactive interface.<br/><i>Technologies: Python, LLMs, RAG, Embeddings, Vector Search, FastAPI</i></li><li><b>Automated Weekly Product Performance Insights (LLM-based):</b> Built a focused product performance dashboard and an LLM-powered pipeline to auto-generate weekly textual insights, reducing reporting effort from <b>8 hours to 1 hour</b> and enabling faster stakeholder decision-making.<br/><i>Technologies: Python, LLMs, Prompt Engineering, Dashboards, Data Pipelines</i></li><li><b>Broadband Customer Upsell Recommendation:</b> Developed a machine learning-based upsell recommendation system using customer behavior features, achieving <b>85% accuracy</b>. Automated data ingestion and deployed real-time predictions via FastAPI to support targeted marketing campaigns.<br/><i>Technologies: Python, Random Forest, Feature Engineering, GCP, FastAPI</i></li></ul> |                            |
| <b>Data Analyst Intern, Galytix Analytics Pvt Ltd</b><br><i>Gurugram, Haryana</i>  | <b>Sep 2024 – Feb 2025</b> |
| <ul style="list-style-type: none"><li><b>Document Data Extraction &amp; Validation Platform:</b> Developed an automated pipeline to extract data from unstructured PDFs, transform it into structured formats, and generate validation logs, reducing manual effort by <b>80%</b> and improving processing speed by <b>60%</b>.<br/><i>Technologies: Python, PDF Parsing, ETL, Data Validation</i></li><li><b>Process Automation &amp; Optimization:</b> Automated repetitive data workflows, reducing execution time from <b>2 hours to under 1 minute</b> and saving <b>40+ hours/month</b>. Improved data accuracy to <b>98%</b> through validation and error-handling mechanisms.<br/><i>Technologies: Python, Automation, Data Quality, Logging</i></li></ul>   |                            |

## PROJECTS

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| <b>Custom Decoder-Only Language Model:</b> Implemented a GPT-style decoder-only Transformer from scratch, including multi-head self-attention, positional encoding, and layer normalization, to understand end-to-end large language model architecture. Built a training and inference pipeline with tokenization and text generation for contextual question answering.<br><i>Technologies: Python, Transformers, Self-Attention, Tokenization, Deep Learning</i> |
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## TECHNICAL SKILLS

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|-------------------------------|---|
| <b>Languages &amp; Tools:</b> | Python, SQL, PySpark, Git   |
| <b>Machine Learning:</b>      | Sklearn, Classification, Regression, Time Series                    |
| <b>GenAI / NLP:</b>           | Transformers, HuggingFace, RAG, Agentic AI, LangGraph, FastAPI, MCP |
| <b>Visualization:</b>         | Streamlit, Gradio, PowerBI  |