

Chinmayi Dixit

Data Analyst | Analytics & Data Science

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PROFESSIONAL SUMMARY

Final-semester MSc Data Science student with a Bachelor's degree in Mathematics and hands-on experience in data analysis, exploratory data analysis, statistical and machine learning techniques, and business intelligence. Experienced in cleaning and transforming large structured datasets, identifying patterns and trends, building analytical dashboards, and translating data into actionable insights. Proficient in Python, SQL, Excel, and Power BI, with practical experience working on real-world business and institutional datasets.

EDUCATION

Master of Science in Data Science <i>University of Mumbai</i>	2024 – 2026
Bachelor of Arts in Mathematics <i>Kalindi College, University of Delhi</i>	2020 – 2023

TECHNICAL SKILLS

Programming & Analytics: Python, SQL, Pandas, NumPy, Scikit-learn

Statistical & ML: Regression, Classification, Clustering, EDA, Statistical Analysis, Hypothesis Testing

Data Preparation: Data Cleaning, Data Transformation, Data Standardization, ETL, Power Query, Record Linkage

Visualization & BI: Power BI, Excel, Matplotlib, Seaborn

Tools: Jupyter Notebook, Git, Streamlit, Linux

EXPERIENCE

Data Management & Analytics Intern <i>IIT Bombay Development & Relations Foundation</i>	Feb 2026 – May 2026
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- **Cleaned, standardized, and analyzed 70,000+ alumni records across 700+ fields** using Python, SQL, and Power Query, ensuring data consistency and analytical readiness.
- Conducted exploratory analysis of donor and alumni data to identify trends, patterns, and potential outreach opportunities.
- **Built Power BI dashboards** covering donation trends, donor segmentation, and campaign performance for senior stakeholder reporting and decision-making.
- Developed an ID-mapping and record-reconciliation pipeline to unify alumni identities across institutional databases and prepare reliable Salesforce-ready datasets.
- Integrated financial and biographical information from Hurun and Forbes lists to develop a prospect dataset supporting HNI donor outreach analysis.
- Worked with cross-functional stakeholders to validate data quality and resolve inconsistencies across analytical outputs.

Data Engineering Intern <i>National Centre of Nano Sciences and Nanotechnology, University of Mumbai</i>	Mar 2025 – Apr 2025
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- Built a MongoDB-based data system to organize and serve laboratory resource and facility information.
- Developed a web interface that replaced the team's existing spreadsheet-based workflow and improved accessibility of structured information.
- Worked on data organization, transformation, and backend integration to support internal analytical and operational requirements.

PROJECTS

Alumni Entity Resolution Tool

Python, Pandas, RapidFuzz, Recordlinkage, Streamlit

- **Developed a data reconciliation system** to analyze and match 60,000+ alumni records across Salesforce, Raiser's Edge, and Almbase.
- Applied field-level fuzzy matching and confidence scoring to identify relationships between records and produce a prioritized, reviewable output.
- Evaluated alternative matching approaches, including TF-IDF and sentence embeddings, and compared their performance for identity matching.
- Designed the workflow to improve data quality and support reliable downstream analysis and CRM operations.

The Re-Search Engine

Python, LightGBM, BERTopic, Sentence Transformers, Streamlit

- Building a research analytics platform that combines text analysis, topic modeling, and machine learning to identify emerging research trends and rank academic papers.
- **Applying LightGBM-based predictive modeling** and topic clustering to generate influence scores and identify patterns across research datasets.
- Developing analytical visualizations and a Streamlit interface to communicate trends and ranked recommendations.

Reality Tracker

Python, SQLite, Streamlit

- Built a personal project-tracking system with a centralized SQLite database to track projects, job applications, learning goals, and activity history, supporting both manual entry and AI-assisted interaction.

LEADERSHIP & EXTRACURRICULAR

- Led an Android development team and conducted peer study sessions for GDSC Kalindi, University of Delhi.
- Wildlife and bird photographer; active member of Kalindi College's photography circle.