

KUNDAN MOURYA

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EDUCATION

MTech in Data Science, Indian Institute of Technology, Palakkad | **GPA: 7.92** | *July 2024 - Present*

BE in Civil Engineering, Shri Ramdeobaba College of Engineering and Management, Nagpur | **GPA: 8.48** | *Aug 2017 – July 2021*

HSC (12th Class): 74.47% | *Aug 2016 – July 2017*

SSC (10th Class): 85.60% | *Aug 2014 – July 2015*

WORK EXPERIENCE

IDFC FIRST Bank- Retail Analytics (Square One Data Insights Pvt. Ltd.) | *Nov'23 – July'24*

Data Analyst- Consultant (Mumbai-BKC)

- Developed an automation solution to enable daily updates for three key Business Banking Group (BBG) dashboards—Product Holding, BBG Portfolio, and Non-Performing Assets (NPA). Worked with cross-functional teams to replace manual data preparation with an automated process, streamlining data extraction and transformation to ensure timely and accurate dashboard updates.
- Built new dashboards based on evolving business requirements and assisted teammates in dashboard development.
- Retrieved and provided data using SQL queries to support specific business requirements.

ERP Launchpad | *June'23 – Oct'23*

Data Analyst Intern (WFH)

- Delivered ERP solutions for clients in India, the USA, and Denmark by analysing business requirements.
- Enabled data-driven decision-making using client data.

PROJECTS

Meme Surveillance on social media | (*Deep Learning, Transformer, Attention Network*)

- Faced with hateful memes spread across social platforms. Build a model that reads both image and text to spot hate content.
- Used CLIP encoders, added cross-modal attention, and used multi-stage feature fusion.
- **Improved** detection score (AUROC) by 0.7%

Talk2Lead AI | (*Multilingual Sales Intelligence*)

- Built a Dockerized AI tool to summarize Hindi/English sales calls using **Whisper** and **Mistral LLM**.
- Automated call analysis workflow, delivering clean English reports in under 60 seconds.
- Built a fully portable solution with Docker and SQLite, enabling seamless use across laptops, servers, or cloud with a single command.
- Enabled deep post-call analysis—identifying customer pain points, objections, conversion outcomes, and top-performing sales reps—cutting review time by 80% and enhancing sales coaching.

Customer Segmentation Project | (*Unsupervised Machine Learning*)

- Retail client lacked clear customer grouping for targeted marketing. Build an end-to-end segmentation and prediction pipeline.
- Compared clustering methods (**K-Means, Agglomerative, DBSCAN**), engineered features, trained **Logistic Regression**, built frontend, and **Dockerized** the project.
- Now each customer can be segmented with a single click.

Local Privacy-Preserving RAG System-Chatbot | (*LLM*)

- Organizations needed secure, offline PDF insight retrieval.
- Develop an on-premises RAG system without external data sharing.
- Integrated **DeepSeek-r1** with **LangChain**, used **SQLite** for embeddings, and built a Streamlit frontend for private searches.
- Enabled 90% faster, fully private document searches.

TECHNICAL SKILLS

Machine learning, Deep learning, Docker, Git, LLM, LangChain, Python, Pandas, Microsoft Excel, MySQL, PostgreSQL, Streamlit, Tableau, Power BI, and Looker Studio