Abhishek Maurya

ML Engineer | Data Engineer | Business Analyst

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Tableau

Professional Summary

Data Engineer & AI Enthusiast with 2+ years of experience in data engineering, analytics, and ML. Skilled in Python, SQL, cloud platforms, and ETL pipelines. Experienced in Generative AI, RAG, Agentic AI, and MLOps, with projects across NLP, computer vision, and financial analytics. Adept at translating complex data into actionable insights while ensuring compliance.

Education

Concordia University	**Montréal, QC**
Master of Science in Applied Computer Science	**Jan 2024 – Dec 2025**
Chitkara University	**Chandigarh, India**
Bachelor of Engineering in Computer Science	**Jul 2019 – Jun 2023**

Technical Skills

Programming & Query Languages: Python, SQL (Postgres, MySQL, Snowflake), R, SAS, VBA, PySpark, SparkSQL, DAX

Libraries & Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, OpenCV, Matplotlib, Seaborn, XGBoost, LightGBM, HuggingFace Transformers, LangChain, MLflow

Data Analytics & BI: Predictive Modeling, Business Intelligence, Statistical Analysis, Data Wrangling, KPI Monitoring, Campaign Performance Tracking, Privacy & Data Anonymization, Power BI, Tableau, Sigma Computing, Excel (Advanced), Google Analytics

Data Engineering & ETL: Data Warehousing, ETL/ELT (dbt, Fivetran, Informatica), Data Pipelines, Data Modeling, Hadoop, Apache Spark, Databricks, Airflow, Kafka

Cloud & DevOps: AWS (S3, Lambda, Glue, Redshift, SageMaker), Azure, GCP, Docker, Kubernetes, Git/GitHub, CI/CD, Terraform

AI, GenAI & MLOps: Natural Language Processing (NLP), Large Language Models (LLMs), Generative AI, Retrieval-Augmented Generation (RAG), Agentic AI, Conversational AI, Model Deployment & Monitoring, Model Governance & Compliance, Responsible AI

Soft Skills: Stakeholder Management, Communication, Design Thinking, Critical Thinking, Problem Solving, Teamwork, Agile/Scrum, Project Management

Professional Experience

ML Engineer & Data Analyst Intern

GlobalFaces Direct – Toronto, Canada | May 2023 – Present

- Automated donor QA by replacing manual call review (OBDA & TPV) with Whisper + Snowflake AI/ML pipelines, cutting 60% of QA overhead and improving accuracy in donor validation.
- Developed Donor Decline and Campaign Success Prediction Models in Python/Scikit-learn, boosting retention strategy precision and improving campaign ROI tracking by 25%.
- Migrated reporting from Excel & Power BI → Snowflake & Sigma, creating dynamic KPI dashboards (churn, pacing, M1%, COA) that reduced reporting time by 70% and improved leadership decision-making.
- Automated churn analysis pipeline in Snowflake, analyzing 1.8M+ donor records to identify at-risk donors and optimize retention, contributing to a 15% uplift in donor retention.

Data Engineer

Avo Automation Pvt Ltd – Bengaluru, India | Jan 2023 – Dec 2023

- Built scalable ETL pipelines with Apache Spark & SQL, streamlining ingestion and transformation of large datasets across multiple sources, improving processing speed by 35% and enabling reliable analytics.
- Developed data infrastructure with CI/CD, Docker, and Kubernetes, automating pipeline deployments and monitoring, which reduced downtime and improved data delivery efficiency for enterprise clients.

Machine Learning Research Intern

Chitkara University – Bangalore, India | Sept 2023 – Jan 2023

- Designed and deployed MLOps pipelines using CI/CD, Docker, and Kubernetes, enabling seamless model training and automated deployments that improved research reproducibility.
- Researched and implemented computer vision (CNNs, OpenCV) and NLP (LLMs) techniques, building proof-of-concepts that demonstrated scalable AI solutions for academic and enterprise use cases.

Business Analyst Intern

MiQ Digital – Bangalore, India | Sept 2021 – Sept 2022

- Automated ETL workflows using Python, SQL, and APIs, improving reporting efficiency by 30%, and delivered data-driven insights that optimized operations and supported account growth across U.S. & Canadian clients.
- Designed real-time data pipelines to unify multi-source datasets, enabling faster campaign performance analysis and empowering leadership with actionable dashboards.

Projects

Agentic AI HR Assistant (2025)

- Designed and deployed an HR AI Agent leveraging n8n workflows, LLMs, and vector databases to autonomously handle resume screening, FAQs, and candidate communication.
- Integrated multi-agent system (resume parser, recruiter bot, query responder) with RAG pipelines for contextual answers.
- Automated scheduling and initial candidate filtering, reducing recruiter manual load by 40% and cutting average response time from days to hours.

Market Insights & Sales Forecasting (2024)

- Designed an end-to-end ML pipeline (Python, SQL, Snowflake) to forecast product demand and analyze customer purchase patterns.
- Built interactive dashboards in Power BI to track KPIs and deliver actionable insights, reducing reporting time by 50%.

Certifications

- Generative AI & RAG Applications with LangChain – *Udemy*
- Cloud Computing & Big Data Analytics (AWS + GCP) – *Udemy*
- Machine Learning, Deep Learning & MLOps Fundamentals – *Udemy*
- Data Engineering with Snowflake and ETL Pipelines – *Udemy*

Volunteer Experience

Tech Organizer – *Chitkara University Hackathons & AI/ML Events*

- Organized coding challenges and ML workshops within the university, engaging 200+ students and fostering a culture of innovation and collaboration.

Community Volunteer – *Chitkara University*

- Supported university-led initiatives like tech fests and student mentorship programs, encouraging teamwork, inclusion, and continuous learning among peers.