

Mayur Jain

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Summary

Strategic and collaborative data leader skilled in goal setting, cross-functional alignment, and driving stakeholder impact through scalable data solutions, leading AI initiatives and cross-functional systems including web application deployment.

Education

California State University, Long Beach, US

May 2025

Master of Science in Computer Science

Guru Tegh Bahadur Institute of Technology, IN

May 2019

Bachelor of Technology in Information Technology

Skills

Language: Python, SQL, PySpark, Java, R, Databricks, Git, Linux

Data Science: Numpy, Pandas, TensorFlow, PyTorch, Scikit-learn, Scipy, NLP, MySQL, MongoDB

DevOps & Cloud: AWS (Lambda, S3, RDS), Azure, GCP, Docker, Kubernetes, Jenkins, Snowflake

Data Engineering: Spark, Kafka, Airflow, DynamoDB, FastAPI, Model Monitoring, Prompt Engineering

Tools & Visualization: Tableau, Power BI, Dataiku, Collibra, JIRA, Kanban, Salesforce CRM, Looker, MLflow

Professional Experience

Student Assistant – Data & Operations Support

Mar 2024 – Present

49ers Bookstore (Non-profit corporation)

- Investigated financial trends from 10K+ transactions to guide policy updates and improve student-facing operations.
- Automated reporting via macros, reducing processing time 40% and increasing operational throughput.
- Developed policy-compliant dashboards, enabling 25% faster decisions in finance and administration.

Data Science & Analytics Consultant

Sep 2022 – Jul 2023

ZS Associates

- Drove HCP targeting insights, influencing 5+ product launches and aligning strategy across clinical units.
- Delivered 10+ governed analytics pipelines via Collibra & deployed BI dashboards using Tableau for healthcare clients.
- Presented 20+ data narratives to non-technical executives, driving 3 strategic initiatives and roadmap pivots.
- Integrated Azure MLOps workflows for 100K+ predictions, improving data mining speed and deployment agility.
- Piloted GenAI initiatives leveraging LLMs, exploring 5+ advanced healthcare use cases in patient support insights.

Data Scientist → Senior Data Scientist

Jul 2019 – Sep 2022

Tata Consultancy Services

- Designed A/B tests reducing fraud by 15%, improving strategy precision across 2 financial product lines.
- Forecasted 50+ KPIs via data mining, guiding product feature shifts and improving planning accuracy by 25%.
- Used regression in Azure pipelines to refresh engagement data daily, boosting retention insights by 40%.
- Applied funnel/cohort analysis to boost user compliance and retention through clustering and behavioral targeting.
- Led metric definitions and cross-functional alignment to support stakeholder decisions on front-end product investments.

Intern → Software Development Engineer

Aug 2017 – Jul 2019

ClickIndia Infomedia

- Built Spark/JSON APIs using FastAPI, enabling seamless data exchange and scalable architecture across modules.
- Tuned SQL queries and optimized dataflows with Big Data technologies and MongoDB, reducing query latency by 30
- Managed cloud computing infra and deployed to AWS, reducing downtime by 25% and ensuring SLA compliance.

Projects

- **RAG Chatbot:** Developed GenAI app integrating LangChain, vector embeddings, and custom plugin ChatClient.
- **Fraud Detection System:** Built real-time ML pipeline reducing false positives through behavioral data modeling.
- **Sentiment Analysis:** Automated NLP extraction from social media with Airflow, scaling insight delivery.