Mayur Jain

Senior Data Scientist
+1(562)254-7817 / California, US
mayurjain333@gmail.com / linkedIn/mayurjain007

Professional Experience

Student Assistant
California, US
California State University Long Beach
April 2024 – Present

- **Engineered 15+ Python-based scripts** to automate data validation slashing **manual work by 30%**.
- **Designed Excel-driven visualizations** to uncover trends in service requests, increasing **transparency** and elevating **resolution rate to over 95%**.
- **Constructed** dynamic dashboards to monitor project milestones and timelines, ensuring **100% on-time delivery**.
- **Transformed and cleaned** over **10,000 rows of raw data** and generated weekly reports, strengthening **evidence-based planning**.

Consultant, Business Technology Solutions
Delhi, IN
ZS Associates
September 2022 – July 2023

- **Architected 3+ RWE frameworks** leveraging **Veeva Systems**, delivering insights that enhanced **patient safety** decisions across **5 healthcare networks**.
- **Implemented predictive models** via Zaidyn, reducing **misdiagnoses by 15%** and boosting **efficiency by 20%**.
- **Streamlined** data governance using **Collibra**, cutting **compliance overhead by 40%**.
- **Developed** data workflows with **PySpark and SQL**, achieving **98% accuracy** in HCP analytics.
- **Integrated** real-time alerting systems using **Dataiku**, reducing **critical event rates by 30%**.

Data Scientist
Delhi, IN
Tata Consultancy Services
July 2019 – September 2022

- **Developed** a machine learning-based **fraud detection engine**, increasing **accuracy by 35%** and reducing **false positives by 20%**.
- **Enhanced** ML deployment pipelines, lowering **inference latency by 25%**.
- **Analyzed** financial transaction trends to strengthen **AML protocols**, improving **risk containment by 15%**.
- **Led** cloud-native ML rollouts, ensuring **99.9% uptime** while maintaining regulatory compliance.
- **Automated** data pipelines that processed **100M+ records**, accelerating analysis by **50%**.

Software Development Engineer
Delhi, IN
ClickIndia Infomedia
August 2017 – June 2019

- **Built 5+** scalable server-side applications serving **1M+ users**, supporting seamless backend performance.
- **Managed** Linux-based infrastructure, sustaining **99.9% system uptime**.
- **Implemented CI/CD automation** with DevOps tools, reducing **deployment time by 70%**.
- **Optimized** Git-based workflows across **100+ repositories**, accelerating issue resolution.
- **Improved** API and database throughput, cutting **query latency by 30%**.

Education

Master of Science in Computer Science
California State University, Long Beach, US
August 2023 - May 2025

Bachelor of Technology in Information Technology
Guru Tegh Bahadur Institute of Technology, IN
August 2015 - May 2019

Summary

Data-driven leader with a strong track record in **product ownership**, **team leadership**, and delivering **end-to-end solutions** in **healthcare** and **BFSI**. Expert in aligning **data strategy** with **business goals**, driving **ML/AI initiatives**, and leading **cross-functional teams**. Skilled in **cloud platforms**, **DevOps**, and **data engineering**, with a focus on **innovation**, **efficiency**, and **impact**. Proven ability to mentor teams, define technical roadmaps, and scale Data Science efforts positioning for success as a **Data Science Manager**.

Skills

Programming: Python, PySpark, SQL, Git, Databricks, Java

Data Science: Pandas, NumPy, Scikit-learn, Feature Engineering, Statistical Analysis,

ML/DL: TensorFlow, PyTorch, MLflow, CNNs, Decision Trees, NLP, Sentiment Analysis.

Data Visualization: Tableau, Matplotlib, Seaborn, Power BI

Data Engineering: Apache Spark, Spark MLlib, Kafka, Airflow, Hive, ETL/ELT Pipelines, Snowflake, Redshift

DevOps: AWS, GCP, Azure ML, Docker, Kubernetes, CI/CD, Jenkins

Domain Knowledge: Dataiku, Fraud Detection, Collibra, Anomaly Detection, RWE Analytics, Patient Segmentation, Forecasting, A/B Testing

Certifications

- AWS DevOps Eng, Professional
- AWS Data Eng, Associate
- Azure DevOps Eng, Expert
- Azure Data Eng, Associate
- Azure AI Eng, Associate

Projects

github/mayurjainf007