

Jay Joshi

7-5004 James Hill Road ,Regina, CA-SK S4W 0E8| 3065103269|

joshijay449@gmail.com | [linkedin.com/in/jay-joshi-146b14269](https://www.linkedin.com/in/jay-joshi-146b14269)

EDUCATION

Master of Science: Computer Science - Data Science

University of Regina | Regina, SK

September 2022 – December 2024

- Major: Data Science
- GPA: 83.60%

Bachelor of Engineering: Computer Engineering

Gujarat Technological University | Gujarat, India

August 2017 – June 2021

- GPA: 82.17%

SKILLS

- AWS: QuickSight, Athena, S3, Glue, Lambda (Data Analytics, Storage, Serverless Computing)
- Azure: Synapse Analytics, Data Factory, Microsoft Fabric
- Hadoop Ecosystem, Databricks, ETL Tools
- Database Management & Integration, Requirements Gathering & Documentation
- Data Modeling, Preparation, and Data Engineering
- Time Series Analysis , NLP and Predictive Analytics
- Machine Learning, Deep Learning, Neural Network Models, LLMs
- Proficient in Python and C++
- SQL, NoSQL Databases, UAT, UML, ITIL & Agile Methodologies
- Power BI, Matplotlib, Seaborn for Data Visualization
- Jupyter Notebook, REST API, TensorFlow, PySpark, Keras
- Git and GitHub, Business Process Analysis & Improvement

EXPERIENCE

Analyst, Co-op Student

SaskPower | Regina, Canada

January 2024 – August 2024

- Performed Data Clean Up activities to improve accuracy of business information.
- Conducted research, data analysis, and data visualizations to identify inefficiencies and opportunities for improvement.
- Performed time and motion studies, to enhance productivity and efficiency.
- Analyzed data using tools like Calabrio One and Power BI, identifying inefficiencies and optimizing processes through data-driven insights.
- Proposed actionable recommendations to improve communication, scheduling, and resource allocation, enhancing operational efficiency and employee satisfaction.
- Prepared and presented information to identify business process improvement opportunities, delivering impactful presentations and facilitating workshops and meetings to communicate findings and drive collaboration.

Junior Data Analyst

ODATA PARTNERS | Adelaide, Australia

June 2021 – July 2022

- Developed and maintained a Persistent Staging Area (PSA) for 10+ web applications, supporting both operational and analytical use cases.
- Designed and executed robust Extract, Transform, and Load (ETL) processes for over 30 PSAs, managing a cumulative data size exceeding 30 GB.
- Applied SQL-based transformations (10+ scripts) to ensure data integrity and reliability across systems.
- Executed diverse data-related functions, encompassing data collection, ensuring data integrity through cleansing, and conducting in-depth analysis.

- Established systematic data retention policies, ensuring high data quality and compliance during storage.
- Gathered and validated data from multiple sources using SQL and ETL processes, ensuring accuracy and readiness for analysis.

Data Analyst - Intern

ODATA PARTNERS | Adelaide, Australia

May 2020 – May 2021

- Created and managed interactive Power BI dashboards for retail analysis, delivering actionable insights into key business metrics to enable data-driven decision-making.
- Integrated data from diverse sources, maintaining accuracy and relevance in retail performance reporting.
- Applied statistical and machine learning techniques to derive actionable insights from cleaned data, tackling complex data challenges with innovative techniques.
- Compiled and presented key findings, trends, and recommendations in visually engaging reports, bridging technical and non-technical stakeholders for informed decision-making.
- Collaborated with cross-functional teams to share insights and drive data-informed strategies.

PROJECTS – ACADEMIC

AzureSent News Analytics Project

September 2024 – December 2024

- Built an ETL pipeline with Azure Data Factory, Synapse ML, and Power BI for real-time news ingestion, sentiment analysis, and automated Teams alerts.

YouTube Analytics and Insights Project

July 2023 – August 2023

- Designed an ETL pipeline using AWS Glue, S3, and Athena to process YouTube data, with visualizations in QuickSight and analysis using Python. Automated updates with Lambda and CloudWatch, identifying key factors driving video popularity.

Predictive Analytics for Equipment Maintenance

January 2023 – April 2023

- Built a predictive analytics model using ANN, XGBoost, and Random Forest to estimate Remaining Useful Life (RUL) from sensor data, optimizing schedules and enhancing engine reliability.

VOLUNTEER

- Coordinator, GTU Zonal Tech-fest 2020
- Lakhshya 2019 (Tech-fest)
- Vadodara International Marathon
- Scintilla 17 (Tech-fest)