ROHAN KUMAR SINGH

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Professional Experience

Data Analyst Intern, Mushin Innovation Labs **Nov 2025- Dec 2025**

- Executed Parquet data preprocessing in Databricks using PySpark, ensuring schema consistency, data integrity, and readiness for downstream analytics.
- Built Databricks-managed tables and implemented automated data ingestion into MySQL using Python-based connectors and SQL-driven extraction.
- Tackled complex data challenges to enhance problem-solving abilities.

Education

VIT Bhopal University, India **2022 - 2027**

- Integrated M.Tech AI | CGPA: **8.17**

BCM School, Ludhiana, India **2021 - 2022**

- *AISSCE (Class XII), Aggregate:**80.2%***

BCM School, Ludhiana, India **2019 - 2020**

- *AISSE (Class X), Aggregate: **82.6%***

Technical Skills

Programming Languages: Java, Python, JavaScript, SQL
Web Development: HTML, CSS
Databases & Data Processing: MySQL, Spark, Pandas, Hadoop
Tools: Azure Data Factory, Data Lakes, CI/CD, Git, GitHub

Projects

Covid-19 Data Pipeline Project

- Achieved pipeline success rate consistently above 98% with robust error handling and retries.
- Ingested data from multiple sources into Azure Data Lake for centralized storage.
- Transformed raw data using ADF Data Flows and Databricks Notebooks, preparing it for analytics and reporting.
- Loaded processed data from Azure Data Lake to Azure SQL Database.
- Achieved pipeline success rate consistently above 98% with robust error handling and retries.

Olympics Analytics

- Developed and deployed an end-to-end data pipeline using Azure tools.
- Automated data ingestion and cleaning from APIs and GitHub, organizing raw and processed datasets in Azure Data Lake.
- Improved data transformation accuracy to 99.8% by implementing validation checks and clean data pipelines.
- Increased workflow automation coverage by 75%, improving operational efficiency and reducing pipeline failures.

Recipe Finder Webapp

- Developed a web application using HTML, CSS and JavaScript to help users discover delicious recipes based on their preferred dish names.
- Increased user search efficiency by reducing average search time to under 2 seconds.
- Achieved API response times under 1.5 seconds to deliver fast search results.
- Enhanced user experience by ensuring fast search results and clean data presentation.