AMANDEEP SINGH

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Skills

- Designed ETL workflows using Azure Data Factory and Pyspark for data transformation.
- Processed real-time data with Azure Stream Analytics and Event Hubs efficiently.
- Managed scalable storage and analytics with Azure Data Lake and Snowflake.
- Built Azure Data Pipelines and Synapse solutions for batch and real-time workflows.
- Optimized Azure SQL DB performance, securing data with Azure Key Vault.
- Deployed high-performance data solutions using Databricks, PySpark, and Power BI dashboards.

Certifications

- **Microsoft Certified** | **Azure Data Engineer Associate (DP 203)** | Mar. 2025 | 🔗
- **Microsoft Certified** | **Azure Data Fundamentals (DP 900)** | Jan. 2025 | 🔗

Experience

Hadoop Developer & Data Analyst | **Reliance Jio InfoComm Limited** | Mumbai, India | Aug. 2019 – Dec. 2021
- Developed Hive tables using HQL to support diverse team use cases.
- Optimized Hive queries, modeled data in DEV, reduced execution time 25%.
- Built real-time Zoomdata dashboards from Hive data for stakeholder insights.
- Automated query scheduling with orchestration tools, met project SLAs consistently.
- Led DEV-to-Production deployment, presented dashboards, raised client satisfaction 15%.
- Documented data definitions and transformations ensured governance and team onboarding.
- Delivered ad-hoc Hive/Hadoop insights, conducted analysis, boosted productivity 20%.
- **Tools Used:** Apache Hadoop, Hive, HQL, Python, Tableau, Zoom Data, Linux, Golang, Java

Project Coordinator Intern | **Algoma University** | Brampton, CA | Feb. 2023 – Dec. 2023
- Managed and developed Java project where I handled Database (MySQL and Mongo DB).

Advanced Coder – AI Training | Outlier | Remote, CA | Jan. 2025 – Current
- Designed and implemented AI models for outlier detection in large-scale databases, improving data accuracy by 20%.
- Optimized database queries using ML models, reducing execution time by 30% and enhancing system efficiency.
- Built predictive analytics for database performance, increasing system reliability by 25%.

Education

Bachelor Of Technology | **Dr. B.R. Ambedkar National Institute Of Technology** | Punjab, India | Jul. 2015 – Aug. 2019
- Major in **Electronics and Communication Engineering**
- Standard CGPA: 7.8/10
- **Relevant Course Work:** Data Structure and Algorithms, Databases, Object Oriented Programming, Operating System.

Post Graduate Certification in IT | **Algoma University** | Brampton, CA | Sep. 2022 – Apr. 2023
- Major in Information Technology (JAVA, SQL)
- Standard GPA: 3.7/4

Graduate Certification in Mobile Application Development | **Georgian College** | Barrie, CA | Jan. 2022 – Sep. 2022
- Major in Mobile Application Development (JAVA, Kotlin, Swift)
- Standard GPA: 3.8/4

Projects_____

Sales Sync Analytics 🔗
• Implemented a scalable data pipeline using ADF to ingest CSV files from a GitHub into ADLS G2, storing data in the Bronze container.
• Utilized Databricks with PySpark to perform data cleansing and transformation, storing that data into in the Silver container in Parquet files.
• Leveraged Synapse(Serverless SQL Pool) to process transformed data, creating external tables stored in the Gold container for efficient querying.
• Integrated Power BI with Synapse external tables to develop interactive dashboards, delivering actionable insights from processed data.

PSPCL Billing Management 🔗
• Developed a Java application with a GUI to calculate due electricity bills for rural households.
• Integrated customer data from MySQL database (historical bills) and external sources (due amounts, current units).
• Utilized Java for logic and GUI design, MySQL for data storage, and Apache POI for Excel handling.
• Tech: Java, Java Swing (GUI), MySQL, Apache POI, Excel, JDBC

Airport Luggage Tracking System (HRD Ministry Hackathon)
• Collaborated on a hackathon project to develop a real-time luggage tracking system for airports.
• Programmed Raspberry Pi 3 with Python and RFID (Model 522) for accurate luggage detection.
• Designed a mobile app for passengers to track luggage locations, improving convenience.
• Enhanced airport logistics and efficiency through precise tracking and updates.
• Tech: Python, Raspberry Pi, RFID, Mobile App Development.