

# AMANDEEP SINGH

 LinkedIn |  647-866-0390 |  Portfolio |  amandeepsingh.mann13@gmail.com |  GitHub



## Skills

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- 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

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

## Experience

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**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 – Jul. 2023

- Managed and developed Java project where I handled Database (MySQL and Mongo DB).

**Maintenance Technician | Enterprise Mobility** | Etobicoke, CA | Aug. 2023 – Dec. 2024

- Diagnosed vehicle systems, recommended services to boost efficiency, safety.
- Troubleshoot vehicle components, proposed solutions to enhance performance.

**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

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**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**

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- **PSPCL BILLING MANAGEMENT:** Java Desktop application that generates defaulting amount list of consumers after getting data from all sources. It is currently used in one of sub-station of Electricity Board (PSEB) **(07/2021)**
- **AIRPORT LUGGAGE TRACKING SYSTEM (HRD MINISTRY):** tracks the luggage by RFIDs and Raspberry Pi and stores it in Database (AWS) and displays the live location to passengers through webpage **(09/2018)**
- **PICS IT(CLONE OF SNAPCHAT):** Java desktop application based on server and client model. Database used is MySQL. It facilitates with all basic applications of Snapchat like signup, login, post stories, follow friends, like the stories, writing the comments. **(10/2017)**

## **Profiles**

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- **Leetcode:** [https://leetcode.com/aman\\_r15/](https://leetcode.com/aman_r15/)