# Abhishek Singh

*abhishek11801529@gmail.com*  | +91 9588942164 | Bengaluru, Karnataka 560092 |
linkedin.com/in/abhisheksingh1180 | github.com/AbhishekSingh1180

## SUMMARY

Experienced Data Engineer proficient in Snowflake, SQL, and Python, with a strong background in Data Warehousing. Skilled in Google Cloud Platform services including Dataflow, Composer, GCS, and BigQuery. Dedicated to driving project success through innovative solutions spanning Snowflake and GCP environments.

## EXPERIENCE

**Data Engineer**, DataGrokr Analytics                                                                    Jun 2021 - Feb 2024

- Successfully **migrated** 3 years' worth of **historical data** for the **Largest US grocery chain** from various formats such as **CSV** and **JSON** to Snowflake using **SnowSQL scripting** and **Pandas**. Automated the entire **workflow** utilizing **Github actions**.
- Collaborated with the VP of Data Products to design a daily sales **ELT process** in **Snowflake**, utilizing **Snowpipe**, **external stages, tasks, streams**, and **materialized views**. Integrated data from multiple sources, enabling comprehensive sales analysis, pricing tracking, and visualization using **Power BI.**
- Partnered with cross-functional teams across multiple countries to conduct **OpEx d**ata analysis in Snowflake, resulting in a **cost optimization o**f up to $100k and a significant 20% reduction in overall spending, enhancing financial efficiency.
- Integrated solutions across Snowflake, **BigQuery**, and **Cloud Functions** with ServiceNow **API** for efficient data pipeline incident management.
- Build and Managed Data Pipeline services in GCP including **Dataflow**, **GCS**, **Composer**, **Airflow**, **Kafka** and BigQuery.
- Spearheaded **DataOps** initiatives by establishing standards, optimizing codes, and implementing CI/CD standards using **Github** and Github actions.
- Developed advanced live **dashboards** in Power BI to monitor **data lifecycle**, latency, and **throughput**, leveraging the capabilities of Snowflake and BigQuery.
- Managed diverse data pipelines in Snowflake, ensuring SCD2 table integrity for operational optimization.

## SKILLS

**Programming Languages**: Python, SQL
**Data Warehouse/Databases**: Snowflake, BigQuery, MySQL
**OS**: Windows, Linux
**Cloud Platforms and Services**: Google Cloud Platform, GCS , BigQuery, Dataflow, Composer, Cloud Functions, Amazon Web Services, S3, Lambda
**Workflow/Streaming**: Apache Airflow, Apache Kafka
**Version Control and CICD**: GitHub, GitHub Actions, GIT
**Data Visualization**: Power BI
**Soft Skills**: Cross-functional collaboration, Effective communication skills, Leadership, Team Management, Daily Standup, Client Interaction
**Additional Skills**: DataOps, ServiceNow, Jira, Confluence, Pandas, REST Api, SnowSQL, Bash Scripting, Automation, ELT, ETL,Snowpipe, Task, Streams, Views, Materialized Views, Time travel, vs code, Ms excel

## EDUCATION

**Bachelor of Technology**, **Computer Science and Engineering**                                    *Aug 2018 - Jul 2022*
Lovely Professional University                                                                                   Percentage: 80.6%
**Intermediate**, Non-medical                                                                                    *Apr 2016 - May 2017*
Army Public School                                                                                                   Percentage: 83.2%

**High School**, | *Apr 2014 - May 2015*
Army Public School | GPA: 9.8

## PROJECTS

### Snowflake to BigQuery Data Migration
- Leveraged GitHub Actions to automate the deployment of a GCP pipeline for Snowflake to BigQuery data migration using gcloud SDK. Utilized 'sensex-data-analysis' loading data to GCS with workflow management and transformation using Composer (Airflow) and Dataflow.
- Technologies Used: GCS, Dataflow, Composer, BigQuery, GitHub Actions, Snowflake, Airflow.
- Link : https://github.com/AbhishekSingh1180/snowflake-bigquery-data-migration

### Sensex Data Pipeline and Automation with GitHub Actions
- Leveraged GitHub Actions for streamlined data extraction from Yahoo finance API, Snowflake and SnowSQL for extraction, Storage and transformation for sensex Data.
- Technologies Used: GitHub Actions, Snowflake, SnowSQL, Python.
- Link : https://github.com/AbhishekSingh1180/sensex-data-analysis

### Weather Forecast Analysis Snowflake
- Developed an end-to-end automated data pipeline for weather forecasting, utilizing Snowflake and AWS services such as Lambda and S3.
- Technologies Used: Snowflake, AWS Lambda, S3.
- Link : https://github.com/AbhishekSingh1180/WeatherForecastPipeline-Snowflake

## CERTIFICATIONS

### Snowflake SnowPro Core Certification *Jun 2023 - Jun 2025*
- Snowflake data platform fundamentals, Batch Loading, querying, and administration
- Link : https://achieve.snowflake.com/704d646d-089a-482a-bcfe-8036db660f30

### GCP Associate Cloud Engineer *Sep 2023 - Sep 2026*
- Foundational proficiency in Google Cloud Platform (GCP)
- Link : https://google.accredible.com/0f00628e-2f07-4c5f-b3f5-e6525971ed5c