

# SIMRANJEET KAUR

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## TECH SKILLS

### PROGRAMMING | CODING

- Python • Pandas
- Web APIs • Data scraping

### SERVERS

- Linux commands • Unix Shell Scripting

### DATA INTERACTIONS

- SQL • Data Warehousing
- ETL • Automation

### DATABASES

- Oracle • PostgreSQL

### CLOUD

#### GOOGLE CLOUD PLATFORM

Hands on Services :

- BigQuery • Dataflow
- Pub/Sub • Cloud Storage
- Cloud Monitoring • Cloud Logging

### VISUALIZATION:

- Looker • Excel • Google Sheets

### BEHAVIORAL

- Problem solving
- Analytical & Design skills
- Storytelling & Presentation
- Interpersonal & Communication

## AWARDS

### Quarterly Award OND'23 & ACE

Award Dec'22 & Mar'23 | SPICE MONEY

2021 2<sup>nd</sup> Prize | Essay National MoSJ&E

2020 1<sup>st</sup> Prize | Tech Article

National - ISEA Competitions, MoE&IT, Gol

2019 1<sup>st</sup> Prize | Essay writing

State Level - Government of Punjab

2019 1<sup>st</sup>/3<sup>rd</sup> Prize | Creative Writing

Zonal/ Inter-Zonal Youth Festival IKGPTU, Jalandhar

## INTERNSHIPS

### DATA ENGINEER INTERN | Spice Money

July 2021 - January 2022

- Executed core data engineering tasks including ETL (Extract, Transform, Load) and automation, logging, monitoring for jobs.
- Leveraged BigQuery and Storage API Client Libraries with Python for data processing and manipulation and automating data engineering workflow.
- Developed a custom pipeline from PostgreSQL to BigQuery. Conducted thorough testing and debugging to ensure data integrity and accuracy.

## EDUCATION

### UNDER GRADUATE

B.Tech (Computer Science & Engineering)

2018 - 2022

I.K.Gujral Punjab Technical University, Jalandhar

SGPA : 9.23/10

## EXPERIENCE

**DATA ENGINEER, SPICE MONEY**— Technology & Research - Financial Technology

AUGUST 2022 - PRESENT

**Clickstream Data Analytics:** Collaborated with the app team to plan & conceptualize clickstream data from in-house app to **BigQuery**. Implemented events capturing for **10M+ events** daily, deploying a **streaming pipeline over GCP** involving **Pub/Sub, Dataflow and BigQuery**. Refined the overall pipeline and summarization after observations, following **agile** methodology. Enhanced & expanded for a range of product & services. Stimulated this over for other in house apps. Summaries were created on top as per the requirements and **KPIs** that act as a single point to be used by **tech, non-tech and business users**. Received kudos for this project for end to end handling, as ACE award

**Combined Cloud Logging** & exported data to **Looker** for daily billing reporting across projects. Created workflows for data ingestion use-cases - from **BigQuery to PostgreSQL** & from **BigQuery to Oracle** and automated using **Python**, deployed on production servers. Integrated & redesigned reports delivery flow using **Google Sheets API** to business users, earlier delivered as CSV file. To achieve a server-less operation, the solution was also implemented on Google Cloud Platform (GCP) utilizing **cloud functions**, for a specific use-case.

**Streamlined** and implemented bank reconciliation automation for over 30+ banks. Powered by **cloud storage** and **external tables** to keep ingestion dynamic & deployed over Smarten (visualization tool) for end user access. Received kudos for this project as quarterly award.

## CERTIFICATIONS

- **The Complete SQL Bootcamp 2022: Go from Zero to Hero**

UDEMY | Oct, 2022

- **The Linux Command Line Bootcamp: Beginner To Power User**

UDEMY | Oct, 2022

- **Microsoft Excel - Data Visualization, Excel Charts & Graphs**

UDEMY | Oct, 2022

- **Implementations on Social Media Mining & Sentiment Analysis**

The IEL India - Punjab & Chandigarh State Centre | May 2020

- **C Programming**

Spoken Tutorial Project | IIT Bombay | Aug - Nov 2019

- **Programming With Python**

Magma Consultancy Services, Ambala Cantt | Jun - Jul 2019

**Tech Stack & Tools:** Python, SQL, Pandas, BigQuery, WinSCP, PuTTY, Linux commands, Shell scripting, Google Cloud Platform.

### SOCIAL MEDIA INTERN | Ministry of Social Justice and Empowerment Government of India

November 2020 - May 2021

- Awareness generation about #NashaMuktBharatCampaign curating engaging & impactful social media content.
- Data Analysis & reporting of the impact of the campaign to PMO for driving further strategy.

**Skills Enhanced** - Data Analysis, Graphic Designing, Social Media Content Creation, Communication & Interpersonal Skills