

# Tushar Mukker

(438) 337-4224 || tusharmukker7@gmail.com

tmukker.github.io/portfolio || <https://www.linkedin.com/in/tushar-mukker-a08950156> || <https://www.github.com/tmukker>

Enthusiastic computer engineer demonstrating a strong commitment to innovative problem-solving and a passion for designing and delivering diverse services tailored to various industries

## EDUCATION

### Masters in Electrical and Computer Engineering

Jan 2023 – Aug 2024

Concordia University (GPA: 3.95/4.3)

Montreal, Canada

### Bachelors in Electronics and Communication

Aug 2017 – July 2021

Guru Nanak Dev University

Amritsar, India

## TECHNICAL SKILLS

<b>Programming:</b>	Python, SQL, HTML, CSS, JavaScript
<b>Frameworks:</b>	Vue.js, SpringBoot, gRPC
<b>Databases:</b>	MySQL, Snowflake, MongoDB Compass, Redis Cloud, Oracle
<b>Developer Tools:</b>	Matillion, Snowflake, AWS, Informatica Power Center, Apache Kafka & Spark, Azure DevOps, Alteryx, Power BI, JIRA, Confluence, Fivetran, Postman, Figma, Databricks, Trello, GitHub, Tableau, Jira, Confluence, Azure
<b>Certifications:</b>	Matillion Associate Certification, Databricks Lakehouse Fundamentals Certification, AWS Certified Cloud Practitioner Certification (Udemy)

## WORK EXPERIENCE

### Digital Engineering Analyst

Jul 2021 – Oct 2022

NTT Data Company

Pune, India

- Developed, tested and maintained more than **2000 ETL jobs** (ERP, Non-ERP) using Matillion, Snowflake, Informatica, Oracle, Python and SQL
- Led a team of 12 IT specialists** on a built-from-scratch project of Salesforce Integration that successfully **met 92% of project deadlines** in Q4, 2021
- Achieved 60% performance optimization** for the client by implementing change data capture ( CDC ) and delta detection logic which majorly helped the client to save high cost and storage
- Migrated data from Oracle on-premise to Snowflake cloud using Qlik for real-time extraction and Matillion ETL for robust pipeline deployment, **improving query efficiency by 25%** for Tableau and Cognos BI tools
- Saved 1.5 Hours/day** of manual effort of each team member by creating an Email notification system for entire transformation and orchestration jobs
- Analyzed data workflows to identify opportunities for improvement, resulting in a **30% increase** in data reliability and a **20% reduction** in data processing time
- Designed, tested and implemented program logic and communicated directly with the client in order to implement them and resolved queries using Azure Devops and Snowflake
- Experience in designing and building dimensional data models to improve accessibility, efficiency and quality of data & worked across all phases of SDLC

### Software Developer Intern

Jan 2021 – June 2021

Netmax Technologies

Chandigarh, India

- Trained in programming languages such as Python, SQL, HTML, CSS and bootstrap, with implementation of machine learning
- Led the team of 6 developers on a project called “Drowsiness Detection System”
- Improved and optimized parts of the system to match requirements
- Supervised development and reviewed code to make sure all standards are being followed

### Summer Intern

Jun 2019 – Jul 2019

Society for promotion of Information Technology (SPIC)

Chandigarh, India

- Completed a six-week internship program focusing on the development of a “Stock Management” project
- Led a team of 4 in development, utilizing Python for front-end development and employing SQL Server for backend operations.

## PROJECTS

---

**Stock Market Real-Time Data Pipeline** | *Apache Kafka, AWS Athena, Python, SQL* Apr 2024

GitHub

- Implemented a streaming data pipeline using Apache Kafka to ingest and process real-time stock market data from a Kaggle dataset
- Utilized Apache Kafka, Python, SQL, and AWS services to perform data transformations and create data visualizations

**TourEasy** | *Java, UML Diagrams, OCL Constraint* Mar 2024

GitHub

- Led a team of 6 in pioneering the continuous development of TourEasy, implementing Object Constraint Language (OCL) principles for robust tour management
- Directed the implementation of user-friendly features in TourEasy, such as personalized profiles and efficient guide matching, ensuring an outstanding tour booking experience

**Spotify Data Pipeline** | *Python, AWS (CloudWatch, Lambda, Glue, Athena)* Jan 2024

GitHub

- Automated detailed track extraction and transformation using AWS Lambda, Spotipy, and pandas
- Orchestrated a scalable end-to-end ETL pipeline on AWS, integrating Lambda, CloudWatch, Glue, and Athena for efficient data processing and querying

**AutoGaurd** | *Python, AWS (Cloud AI Rekognition, Lambda, S3, CodeBuild, DynamoDB)* Nov 2023

GitHub

- Led a team of 5 in building a serverless AWS Lambda-based solution utilizing Rekognition for vehicle registration and authentication, integrated with DynamoDB for user data storage
- Constructed RESTful architecture design, CI/CD with AWS CodeBuild for continuous integration and deployment, complemented by SwaggerHub for efficient API documentation in the project

## CERTIFICATIONS

---

- **Matillion Associate Certification**
- **Databricks Lakehouse Fundamentals Certification**
- Data Warehouse - The Ultimate Guide
- Building a Data Warehouse using Matillion by Matillion
- Knockdown the Lockdown certification by TCS ION through the Career Edge program

## LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

---

- Team lead for organizing recreational workshops at Concordia University
- Dedicated core member of the Electronics Student Forum (ESF) for 3 years
- **Led a 30-35 member team** in organizing on-campus placement drives for **over 1000 students** (graduating classes of 2017-2020), collaborating with various multinational corporations (MNCs)
- Organized and facilitated **workshops for over 1000 students** from diverse companies
- Head of the organizing committee for Tachyon 2.0, Guru Nanak Dev University's Techno-Cultural Fest
- Committed **3-year team head** of ECOSMOS - The Green Army, a Nature and Wildlife society at Guru Nanak Dev University