

Ifraz “Izzy” Ahmed

Rosharon, TX | 678 353 8995 | ifrazahmedprofessional@gmail.com
<https://www.linkedin.com/in/ifraz-ahmed/> | <https://ifraz93.github.io/>

Data Engineer | Insights and Data Consultancy | Doctorate

PROFESSIONAL EXPERIENCE

Suvida Healthcare, Houston, TX | Data Engineer

July 2023 – May 2024

- Developed and maintained over twenty pipelines in Azure Synapse for ELT.
- Ingested data from SFTP servers, Salesforce API, and Snowflake API into Azure Data Lake Storage Gen 2 utilizing Azure pipelines.
- Loaded data from ADLS2 into staging database within SQL Server by leveraging data flows.
- Developed PySpark notebooks in ADF for querying REST APIs and writing their JSON payload to SQL Server.
- Utilized Azure DevOps for tracking user story progress in sprints and Azure Repos for version control.
- Operated Data Build Tool for implementing version control, testing, and freshness checks for SQL tables.
- Performed QA during enterprise-wide Snowflake migration to ensure data integrity, consistency, and reliability between deprecated and new systems.
- Developed complex SQL queries to join multiple tables leveraging natural keys such as datetime and email, ensuring accurate data integration and retrieval across diverse datasets.

Capgemini, Houston, TX | Insights and Data Consultant

January 2022 – March 2023

- Key role in integrating inventory management, transactions, order history, and service scheduling with GK POS, CAR, and SAP Commerce APIs to create seamless experience for employees and customers.
- Successfully facilitated client communication through end-of-day email updates, FDD tracker, and FSD progress charts.
- Refined data strategy document to identify existing SAP integrations, new SAP integrations, and integrations requiring enhancements between inner-circle and outer-circle implementations.
- Developed meeting minutes during the requirements gathering phase for understanding client needs between systems and business processes.

General Assembly, Houston, TX | Associate Instructor (Contractor)

October 2022 – October 2023

- Delivered supplemental instruction to Fortune 500 employees for mastery of Python, PostgreSQL, Microsoft Power BI, and Excel.
- Assisted students in gaining a fundamental and technical understanding of data science and analytics.
- Provided additional instruction to individuals falling behind by providing support for homework and projects.

Internal Revenue Service, Houston, TX | Hadoop Developer

June 2021 - August 2021

- Successfully enhanced existing processes and methods for aggregating and utilizing operational data to support IRS operations.
- Exhibited skills in engineering ETL workflow between IRS Server and Hadoop EdgeNode SCP connection.
- Designed and implemented documentation using the white paper methodology for easy replicability of the SparkR environment.
- Performed transformations and actions on SparkR DataFrames for statistical analysis, validation, program stability, and performance improvements. Contributed in improving processing time while enhancing the stability of R code through the implementation of SparkR.

University of Houston, Houston, TX | Instructional Assistant

December 2020 - May 2021

- Provided supplemental instruction for MBA and MS students in Quantitative Analysis.
- Assisted students in understanding and internalizing fundamental concepts in Quantitative Analysis.
- Collaborated with professors to highlight key topics discussed during class for supplemental instruction.

Love & Joy Personal Care Home, Houston, TX | Computer Systems Admin

May 2020 - May 2021

- Responsible for all documentation, maintenance, and upgrades related to information systems software.
- Implemented a data repository to provide security for patient and employee information.
- Managed and performed analysis on all donors using Snowball Fundraising platform.

- Created an enterprise-wide policies and procedures orientation packet for onboarding all new employees.

EDUCATION

Doctor of Technology – *Thesis: Toward Trustworthy AI in the Workplace: A Multidimensional Framework for Transparency, Perceived Fairness, and Ethical Use in Employee Evaluation and Training*, Purdue University, West Lafayette, IN, December 2027

Master of Science – *Business Analytics*, University of Houston, Houston, TX, December 2021

Bachelor of Business Administration – *Computer Information Systems*, Georgia State University, Atlanta, GA, May 2018

ADDITIONAL

Civic Digital Fellowship – Selected for the prestigious Civic Digital Fellowship program where I was given the opportunity to work as a contractor for the IRS. Primary responsibility involved leveraging Hadoop and SparkR to enhance and adapt existing R programs for seamless integration and improved performance with SparkR. This role required a deep understanding of both data engineering and computational optimization, and I successfully implemented solutions that increased processing efficiency and scalability within federal data systems. June 2021 – August 2021.

Dean's List for Academic Excellence, University of Houston – Recognized for outstanding academic performance in fulfilling the requirements of the Master of Science in Business Analytics degree. Awarded to students with a 3.7 GPA or higher. January 2020 – December 2021.

President, MBA Society – Lead meetings for clubs within MBA Society to develop recruiting initiatives for increasing membership and enhancing member experience. Facilitated panel discussions with industry professionals to empower members with information about skills needed to stand out in the job market. August 2021 – December 2021.

Study Abroad Scholarship, Georgia State University – Selected for a competitive scholarship to help fund study abroad at Nantes Université in France. Analyzed business case studies throughout various countries and identified tangible factors of success from companies such as Bank of Santander and Li & Fung Distributors. Networked with students and faculty to increase cultural awareness and understand cultural differences. Adapted to a new country with a foreign language by developing valuable intercultural communication skills. August 2016 – January 2017.

Certifications

- Azure DP-900 Data Fundamentals
- AWS Certified Cloud Practitioner
- Databricks Lakehouse Fundamentals
- Responsible Conduct of Research Training – CITI Program
- Leadership Principles – Harvard
- SAP Data Services – Udemy

Technical

- **Cloud & Big Data:** Azure Synapse Analytics, Azure DevOps, ADLS2, Snowflake, AWS, Hadoop, HDFS, Hive
- **Programming & Scripting:** Python, R, Shell Scripting, Advanced SQL (Window Functions, CTE), Unix/Linux
- **Data Processing and Analytics:** ELT/ETL, Azure Data Factory, Data Pipeline Development Data Mart Development, Data Integration, SparkR, Spark, Sqoop,
- **Visualization and Analysis:** Seaborn, Scikit Learn, Power BI Dashboard, Business Analysis
- **Development Practices:** Agile, Version Control, CI/CD, Pipeline Orchestration
- **Security and Compliance:** Data Auditing and Compliance (HIPAA), Security (HIPAA)