

Efat Gorji

Data Analyst/Scientist

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Core Competencies and Skills

- **Data Science:** SQL, NoSQL, Data Analysis, Financial Analysis, ETL Processes, Data management and Governance, Database Administration, Data Integrity Assurance, Data Cleaning and Screening, Process Automation, Business Intelligence, Data Modeling, Report and Dashboard Development, Data story telling, Marketing and Business Analytics, Big Data Mining, Machine Learning, Predictive Analytics, Text Mining, Data Structure and Algorithms, Mathematical and Statistical analysis
- **Programming:** Python, R, SAS, VBA, M, DAX, Apache Spark, Git
- **Software:** Power BI, Tableau, SPSS, Azure, SQL Server, MS Office Suite (Excel,...)
- **Soft Skills:** Multilingual (English, French), Effective Communication, Critical Thinking, Initiative-taking, Pro-Active, Cooperative, Multi-tasker, Responsible, Familiarity with Life Sciences industry

WORK EXPERIENCE

Give & Go, Prepared Food – Data Analyst (SQL & Power BI)

May 2023 – Sep 2023

- Conducted data analysis using SQL to process and validate company master data quality and integrity with high attention to details.
- Collaborated with team members to understand business needs and process and to create custom reports
- Designed and implemented a data quality dashboard in Power BI to visualize key performance indicators.
- defined data integrity KPIs to support strategic decision making.
- Collaborated cross-functionally with the ITS team to resolve data discrepancies and resolve inquiries.

S2H (Business Solution)– Research Assistant

Sep 2022 – Apr 2023

- Assisted in processing and analysing the corporation data through SQL queries, ensuring efficiency and productivity.
- Developed predictive models using Python and SQL to forecast client behaviors with over 90% accuracy.
- Cleaned and processed complex financial data through SQL queries, generating comprehensive reports on customer behavior and risk assessment to aide in financial decision-making.

Trinetra-Oak Valley Health HRES Application - Research Assistant

May 2022 – Sep 2022

- Engaged in machine learning and text mining tasks, including text vectorization and similarity comparisons using Python.
- Deployed the app via AWS using Ubuntu/Linux, created APIs via Python to interact with the program.
- Developed a Python program for asynchronous data ingestion, updating, and retrieval from MongoDB.
- Designed a database in Mongo DB to store the data.
- Designed and maintained an automated dashboard using Python for tracking application requests via MongoDB Change Stream.

CERC - Mobility Compliance Platform Project - Research Assistant

Feb 2022 – April 2022

- Used Python for extracting, vectorizing, and classifying PDF documents with 90% accuracy.
- Designed and implemented a MongoDB database for storing and retrieving text documents, contributing to data management and reconciliation.
- Developed Python scripts to interact with Google API for enhanced data processing capabilities.

Alborz Insurance Company - Data Analyst

Feb 2012 – Jun 2018

- Compiled and analyzed insurance data to optimize cost reduction strategies and to support financial decision-making.
- Collected, tracked, and organized big volumes of data to evaluate business performance vs KPIs, and collaborated with stakeholders to apply data-driven insights to inform strategic decision-making.

EDUCATION

Honours Bachelor of Data Science and Analytics

Sep 2020 – April 2024

Seneca Polytechnic, Toronto, Ontario

- **Cumulative GPA** – 4.0/4.0
- **Recipient of President's Honours list award** – Fall 2020 to Winter 2024
- **Relevant courses** – Advance Database Design (SQL, noSQL), Programming Languages (Python, R, SAS), Advanced Data Management, Business intelligence (Excel, PowerBI, Tableau, ...), Advanced Data visualization(R, Python,...), Big Data Mining, Data integrity and governance, Cloud Technology (Azure, AWS), Data privacy and regulations(GDPR,...), Predictive Analytics, Advanced Machine Learning, Text Mining, Risk Management, Strategic analysis and evidence-based decision making, project Management

Honours Bachelor of Science: Statistics

Sep 2005 – Dec 2009

University of Isfahan, Isfahan, Iran

- **Cumulative GPA** – 4.0/4.0
- **Ranked in Top 10% of Class and Dean's List Honoree** – semesters 1 to 8
- **Relevant courses** – Big Data, Data Analysis, Statistical Analysis, Statistical Software (SPSS, SAS, R), Relational Databases, Data Management and Governance, Financial Data Analysis, Business Analytics
- **Project** (Quality Inspection): Grade A+

Academic Projects

- **Data Visualization and Reporting:** Created interactive reports and dashboards using tools such as Power BI and Tableau, providing visual representations of data trends and patterns for strategic decision-making.
- **Healthcare Analytics Project:** Developed a predictive model to forecast patient outcomes based on healthcare data, conducted data analysis to identify trends and insights, and communicated findings to stakeholders. This project allowed me to gain practical experience in data analysis, machine learning, and healthcare industry knowledge.
- **Relational Database Management with Azure Data Studio/SQL:** Designed and managed relational databases using Azure Data Studio and SQL, optimizing data storage, retrieval, and analysis for efficient reporting and decision-making.
- **Business Intelligence Solution Development:** Designed and implemented BI solutions using technology best practices and guidelines. Developed reports and dashboards using Power BI, ensuring accuracy, quality, and optimized performance.
- **Data-Driven Decision Making:** Accessed and utilized a company dataset to inform decision-making processes, employing analytical tools and techniques to derive actionable insights.
- **Music Recommendation System for Spotify:** Developed a music recommendation system utilizing clustering analysis, vectorization techniques, and cosine similarity to generate personalized recommendations for Spotify users.
- **Application of Neural Network Models for Image Classification:** Applied neural network models via Pytorch to classify unstructured data of X-ray images into four classes with accuracy above 90%.

Certificates

- **Career Essentials in Data Analysis by Microsoft and LinkedIn**

Winter 2024