




Efat Gorji

Data Scientist

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Technical Skills

- **Programming:** Python, R, Apache Spark, Ubuntu, SAS
- **Software:** MySQL, Oracle, Power BI, Tableau, Amazon Dynamo DB, MS Azure, Microsoft Office
- **Data Science:** Statistical Data Analysis, Database Design, Data Modeling, Data Visualization, SQL, NoSQL, Data Quality Assurance, Big Data Mining, Machine Learning, Data Pipelines, Predictive Analytics, Time Series, Python libraries (Pandas, Scikit learn, PySpark, Pytorch, NLTK, TensorFlow, FAISS, dash, plotly, fastapi, uvicorn, pytesseract, asyncio, scipy, simpy, venv, queue, schedule, ...), R packages (ggplot, shiny, dplyr, plotly, tidyr, ...),
- **Database:** Strong proficiency in SQL and NoSQL databases.
- **Multilingual:** Fluent in English, entry-level proficiency in French, and advanced proficiency in Persian.

EDUCATION

Honours Bachelor of Data Science and Analytics

Sep 2020 – April 2024

Seneca College, Toronto, Ontario

- **Cumulative GPA** – 4.0/4.0
- **Relevant courses** – Business intelligence, Business Analytics, Big Data Mining, Advanced Data visualization, Advance Data Design (SQL, noSQL), project Management, Cloud Technology (Azure), Git & Github, Health Data Analysis, Real time Data Analytics, Predictive Analytics, Machine learning, Text mining, Data structures and algorithm, Strategic analysis and evidence-based decision making
- **Recipient of President's Honours list Winter award** – Fall 2020 to Winter 2023

Honours Bachelor of Science: Statistics

Sep 2005 – Dec 2009

University of Isfahan, Isfahan, Iran

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

Certificate: English for Academic Purposes

Jan 2020- Aug 2020

Seneca College, Toronto, Ontario

- **Cumulative GPA** – 4.0/4.0
- **Relevant courses** – Computer Knowledge (Microsoft Office)
- **Recipient of President's Honours list award** – Winter 2020, Summer 2020

WORK EXPERIENCE

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

May 2023 – Sep 2023

- Data analyst intern to investigate the company master data quality via SQL
- Design a data quality dashboard for the company while defining data integrity KPIs
- Collaborate with the ITS team to ensure the accuracy and trustiness of the dashboards and reports

S2H (Business Solution)– Research Assistant

Sep 2022 – Apr 2023

- Program developer to create predictive models and machine learning algorithms to predict the behavior of defaulting clients with accuracy above 90%

- Data cleaning and preparation for debt management big data

Oak Valley Health HRES application - Research Assistant

May 2022 – Sep 2022

- Coordinated with team members on machine learning, text similarity searches, and app deployment via AWS using Ubuntu, Linux
- Program developer for the application data ingestion module to asynchronously import, update, remove, or expire documents on the system application
- Mongo dB data storage and retrieval – designed the database structure
- Implemented dashboard designing and maintaining for the application through “mongo DB Change Stream”

Mobility Compliance Platform Project- CERC - Research Assistant

Feb 2022 – April 2022

- Extracted, analyzed, and classified pdf documents with 90% accuracy
- Designed mongo DB database to store and retrieve documents and their context along with their metadata
- Developed python program to interact with Google custom search API

Alborz Insurance Company - Data Analyst

Feb 2012 – Jun 2013

Isfahan, Iran

- Compiled and modeled data using SPSS to create meaningful insights
- Collected, tracked, and organized big volumes of data to evaluate current business and market trends

Academic Projects

Business Intelligence: Design and develop BI dashboards for various business cases data to track and monitor business KPIs through Microsoft Power BI and R (grade A+)

Database Design: Design and generate SQL, mongo DB and Neo4j databases for storing, retrieving, and analysing data from a student registration system (grade A+)

Data visualization: Develop a web application of an interactive dashboard for geographical as well as categorical data through R, shiny, ggplot, ... (grade A+, peer reviewed as a perfect project)

Microsoft Cloud Technology (Azure): Created a domain controller, configured users, set up DNS settings for the domain controller, implemented and gained hands-on experience with various Azure services, including but not limited to, privacy and compliance features, regions and pairing, and SQL services, and successfully set up a load balancer in Azure. (grade A+)

Data Mining and predictive Analytics: Experimented various machine learning algorithms via Python and R to find the most accurate models for various datasets, achieved the highest possible accuracy, decided about the final prediction model according to the precision-recall trade off (grade A+, professor’s admiration for the workflow and detailed considerations)

Health Data Analytics: systematically collected and both structured and unstructured data from various sources, employing descriptive, predictive, and prescriptive analyses to derive actionable insights for informed decision-making in Canadian mental healthcare (grade A+)

Natural Language Processing: Applied topic modeling algorithms on the news articles with 90% accuracy, applied supervised and unsupervised learning algorithms on various text data to achieve the highest accuracy (grade A+)

challenges

Adobe Analytics challenge

Sep 2021 – Dec 2021

- Created approved proposal for analysing Disney data to recommend solutions to marketing issues and participated in the adobe analytics training session
- Created and demonstrated solutions to track, analyse, maintain, and improve customer loyalty as well as meeting the selling KPIs