

Faria Khandaker

Data Science Consultant



LinkedIn:

www.linkedin.com/in/fariakh/

GitHub:

github.com/fariiaakh

Website: fariak.ca

Technical skills

- R Stats:
 - Libraries: Tidyverse, Lubridate, Janitor, Ggplot2, Caret, FNN, Mass, Leaps, Corrplot
- Python
 - Libraries: Transformers, Pandas, Numpy, SkLearn, Seaborn, Matplotlib, Networkx, NLTK, Gensim, SpaCy, Requests, BeautifulSoup
- PostgreSQL/MySQL
- Linux
- C#
- Microsoft Azure Suite (Azure AI, DataBricks, VMs, AFS)
- Brainstorm and prototype MVPs for research

Professional Summary

Navigating through the world of Data Analytics and Machine Learning takes me back to my undergraduate days of conducting anthropological research in a new environment, where I was always both a participant and an observer. As an initiative-taking diligent individual, working to improve business processes through the integration of data science tools and techniques, I am learning and building on my skills of analyzing and processing data, conducting research to push knowledge forward, and sharing insights with multiple stakeholders to improve policies and procedures ethically and transparently within organizations.

Education

Master of Information: Information System Design and Data Science
University of Toronto 09/2019 – 11/2021

Relevant courses:

- Data Analytics
- Data Modelling and Database Design
- Machine Learning with Applications in Python
- Business Process Management and Mining
- Machine Learning in R

Honours Bachelor of Science: Anthropology and Human Biology
University of Toronto Scarborough (UTSC) 09/2013 - 11/2018

Exchange Program

National University of Singapore 01/2018 - 05/2018

Mandarin Language Exchange Program

Chinese University of Hong Kong 08/2017

Relevant Work Experience

Faria Khandaker Consulting

Data Scientist / Data Manager 08/2021-present

- Maintain and update data pipeline in Python to deliver data in a consistent format to internal stakeholders to support sectoral impact research
- Migrate external processes in-house, use Azure VMs and Python to integrate automation, information retrieval, extraction into process workflow to derive insights to stakeholders in a timely manner
- Brainstorm, experiment and build product component in C# to verify references generated by AI

Professional Development

- BPM 2022 Workshop paper: [Transformer Models for Activity Mining in Knowledge-Intensive Processes | SpringerLink](#)
- Toronto Machine Learning Summit annual attendee
- Presenter at 2nd Annual Automation, Control, and Analysis of Knowledge-intensive Processes at IBM CASCON-EVOKE2021
- Recipient of the University of Toronto Student Leadership Award 2020/21
- SHIFT2020/21 Public Sector Case Competition (2nd place winner)
- Co-Host of the Toronto Data Workshop May 2020-May2021
- Volunteer at IBM CASCON 2019-2020

Interpersonal Skills

- Team player with excellent project management skills
- Equitable and culturally sensitive work ethic
- Enthusiastic and determined learner
- Fluent in English, Bangla and Urdu, conversational in Mandarin and French

- Running quality and sanity checks on a variety of data used by 4+ research projects using PostgreSQL and R
- Collaborating with developers and analysts to understand data needs and requirements
- Documenting metadata of existing datasets and setting up data management best practices
- Negotiating data procurement agreements with various data vendors
- Creating Roadmaps and Strategies for data migration from folder storage to databases

Faculty of Information

Research Assistant

05/2020-11/2021

- Liaising with researchers in Academia and the IBM Center for Advanced Studies to solidify product vision and modelling scenarios to capture scope of market products
- Building and tuning Machine Learning pipelines in Python to clean, analyze and cluster text documents and conduct semantic analysis
- Researching academic literature and attending various conferences on Process Mining and Natural Language Processing in search of new techniques and methods for the extraction of processes from unstructured documents

Inforum Library at the Faculty of Information

Student Assistant

09/2019-08/2020

- Formalizing standard method of categorizing loaner gadgets from the Techfund Committee for efficient record keeping
- Facilitating Information Day events with faculty and staff and informing potential students about the rich variety of programs available at the Faculty of Information
- Performing administrative tasks such as updating Inforum website, A/V troubleshooting, designing signs for outreach initiatives and assisting users with room bookings and technology loans

UTSC Department of Student Affairs

Pre-Arrival Project Lead

02/2019 – 08/2019

- Identified transitional difficulties faced by international students through 10+ focus groups, 7+ one-to-one meetings and reading scholarly articles
- Collaborating with webinar illustrator and marketing team to make changes and tweaks for optimizing the webinar experience for students
- Designed and maintained QUERCUS course page for webinar by adding students, importing external course content, creating quizzes and embedding resources.