# IMRUL **FAISAL**

## Data Scientist & Bioinformatician

## CONTACT

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https://github.com/imrul-faisal

## SKILLS

### Data Scientist

Machine learning (ML) for predictive & descriptive problems
Unsupervised ML
Deep learning, Computer Vision
Big data analytics, MLOps
Model Evaluation & Improvement
Algorithm Chains and Pipelines
Feature Engineering
Hyperparameter Tuning
Time-series forecasting
Cleaning and managing datasets
Visual analytics with D3.js, Power BI, MatPlotLib, Seaborn & ggplot2
Python, R, Spark/PySpark, TensorFlow, Keras, SciKitLearn

### Data Engineer

Data Storage on MS Azure
Azure Databricks, Delta Lake
PostgreSQL, Kafka, Hadoop
Database management & Design, Database security
Git, GitHub, CI/CD, DevOps

### Soft Skills

Project management, PMP
Communication & networking
Supervising, mentoring & teaching
Problem solving, Creative thinking

### Language Skills

English – Professional proficiency
Finnish – Intermediate proficiency
Bengali - Native

## WORK EXPERIENCE

**Data Scientist/ Bioinformatician** (03/2019 – to date)
*University of Helsinki, Finland*

**Data Analyst** (08/2018 – 02/2019)
*Sunnybrook Research Institute, University of Toronto, Canada*

**Researcher and Bioinformatician** (01/2013 – 07/2018)
*Faculty of Medicine, University of Helsinki, Finland*

## EDUCATION

**Master of Engineering, Big Data Analytics** (08/2020 – to date)
*Arcada University of Applied Sciences (UAS)*
Specialization studies and projects featuring AI/ML, deep learning, visual analytics, analytical service development etc.

**Doctor of Philosophy (PhD), Medicine** (01/2013 – 05/2018)
*Faculty of Medicine, University of Helsinki*
Specialization quantitative (natural sciences) studies and projects featuring high-throughput biomedical data analysis, statistics, medical and clinical research, project management, student supervision, collaboration with national & international labs

**Master of Science, Bioinformatics** (10/2010 – 11/2012)
*Institute of Biomedical Technology, Tampere University*
Specialization quantitative (natural sciences) studies and projects featuring biomedical data analysis, statistics, programming & algorithm development, and visualizations

## CERTIFICATION

MS **Azure** for Data Engineers (Microsoft)
Azure **Databricks** & **Spark** core for Data Engineers (Python/SQL)
Version Control with Git (Coursera)
**TensorFlow** Developer Certificate Bootcamp (Udemy/ZTM)
Complete **SQL** & **Databases** Bootcamp (Udemy/ZTM Academy)
Machine Learning with **Python** (Arcada UAS & DataCamp)
Data Analyst with **Python** (Arcada UAS & DataCamp)
MS **Power BI** (Microsoft)
Visual Analytics with **D3.js**, **Python** & **R** (Arcada UAS, DataCamp)
LinkedIn Machine Learning skill badge (LinkedIn)
Management skills: new Managers Training 2022 (Udemy)

## REFEREES

Available instantly upon request