Contact

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(LinkedIn)

mohd-muzamil.ca (Portfolio)

Top Skills

Data Science

Deep Learning

Machine Learning

Publications

Controlling BigGAN Image
Generation with a Segmentation
Network

Mohamed Muzamil

Data Analyst at Dalhousie University
Halifax, Nova Scotia, Canada

Summary

Diligent and task-driven engineer with 5yrs 4mos of total IT
experience in India and 4mos of Data Science internship experience
in Canada. I hold a Master of Computer Science degree from
Dalhousie University. I currently work as a Data Analyst for a
research group at Department of Psychiatry, Dalhousie University.
Job responsibilities include development of data pipelines, data
analysis, machine learning and ad-hoc technical tasks within the lab.
Skilled in Python, Data Science, AI/ML/DL, Distributed Computing,
AWS Cloud, Relational and No-SQL Databases. Built data quality
tools, ETL pipelines, and deployed machine learning models for a
multinational financial services company and major banks to facilitate
business analytics and data-driven decision-making.
Passionate about building enterprise systems by taking a pragmatic
approach to solving complex business problems. I love to code and
enjoy learning new skills.

Experience

Dalhousie University
Data Analyst
December 2022 - Present (1 year)
Halifax, Nova Scotia, Canada

Development of data pipelines, Data Analysis and Machine Learning at
Genetic Epidemiology, Community Health and Computer Science lab
(GECCO) and PROSIT lab at Dept of Psychiatry.

Dalhousie University
Teaching Assistant
September 2021 - December 2021 (4 months)
Halifax, Nova Scotia, Canada

• TA for a graduate level Data Science course called Visual Analytics
instructed by - Prof Fernando Paulovich with a strength of 55 students.

• Designed course assignments, evaluated/graded submitted assignments,
and mentored students with course-related technical queries.

Glas Ocean Electric
Summer Intern, Data Science and Machine Learning
May 2021 - August 2021 (4 months)
Halifax, Nova Scotia, Canada

• Developed a data integrating/preprocessing pipeline and built machine learning and statistical model training framework to forecast fuel consumption and greenhouse gas emissions of boats.
• Data consisted of time-series sensor logs from 5 different fishing boats over a period of 1 year.
• The key achievement was improving the predictive capability by experimenting with various regression models and hyper parameter tuning.
• Presented a detailed report using standard KPIs, charts and data visualizations to company's CEO and higher management about the research findings.

Infosys
Technology Analyst, Data Quality
August 2014 - December 2019 (5 years 5 months)
Bengaluru, Karnataka, India

• Built automation tools for data balancing/comparison leading to an increased productivity by over 75% to the validate reliability of financial data duplicated across multiple data centers in hadoop environment using Python, PySpark, Apache Hive & shell scripting.
• Deployed machine learning models in development and production settings to detect anomalies in streaming transaction data over a distributed database reducing false alerts by over 5% compared to statistical methods.
• Implemented post-deployment monitoring, logging of the model performance metrics using ELK stack and built reporting dashboards using Graphana to assess quality of the models to improve their continual learning capabilities.
• Developed ETL pipelines using Informatica and performed data engineering tasks using advanced SQL queries to migrate a legacy system that processed banking data used for business analytics.
• Coordinated with large teams following agile development process to brainstorm, plan and executive innovative solutions and to implement systems with high code quality through regular and systematic code reviews.
• Lead a team of 3 developers to mentor and supervise tasks to meet Jira user stories.

Education

Dalhousie University

Master of Computer Science, Data Science, Machine Learning,
Visualization · (January 2020 - July 2022)

CMR Institute Of Technology

Bachelor of Engineering, Electronics and Communications · (August
2010 - June 2014)