

GAUTAM RADHAKRISHNAN AJIT

520 Parkside Drive, Waterloo, ON, N2L 5E3

Email: gautamrjt@gmail.com | Phone: +1 (647)-830-7463

OBJECTIVE

- To apply my data engineering, analytics and related Big Data knowledge I have acquired over my period as a post-graduate Data Science/ Big Data student.

CORE SKILLS

- Proficient with Python ML libraries, R, SQL, NoSQL (MongoDB), Jupyter notebooks, R Studio, Tableau & Exploratory Data Analysis (EDA) proven through projects and coursework.
- Proficient in Machine Learning and Deep Learning (XGBoost, Neural Networks, k-NN, SVM, Random Forest, Decision Trees, Linear Regression), data serialization (Avro, Sequence files, RCFile, ORC), Hadoop (Hive, Kafka, Spark Structured and Streaming APIs, Flume).

EDUCATION

Graduate Certificate in Big Data Solution Architecture & Cloud Computing
Sept. 2021 – April 2023

Conestoga College Institute of Technology and Advanced Learning, Waterloo, ON GPA: 3.90 /4.00

- Built proficiency in SQL Server Management Studio, Apache Hadoop ecosystem (exposure to Apache Hive, Kafka, Flume & SparkML). Attended courses on Tableau and Business Intelligence/ Web Analytics.

Master of Data Science

August 2019 - July 2020

The University of Sydney, New South Wales, Australia

GPA: 3.86 /4.00

- Built proficiency in prominent Machine Learning & Deep Learning algorithms and models, computational statistics using R language & Data Visualization (incl. D3.js and Tableau).

Bachelor of Technology (Computer Science & Engineering)

July 2012 - March 2016

National Institute of Technology Calicut, Kerala, India

GPA: 7.11 /10

- Built proficiency in Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Architecture, Natural Language Processing.

RELEVANT PROJECTS

Predicting Life Insurance risk (Associated with the University of Sydney)

- Compared the performances of the Random Forest classifier, XGBoost, logistic regression and LDA after performing Principal Component Analysis (PCA). Achieved an F1 score of 0.6684.

Recommending Cars (Associated with Conestoga College)

- Used HiveQL to clean and analyze data to recommend cars having a high prospect of getting sold. Visualized using the matplotlib python library.

ETL pipeline with Spark Streaming (Associated with Conestoga College)

- Used Flume Agent and Kafka producer to send data to Kafka consumers and to a MySQL database. Used aggregate operations on the JSON data to filter records before publishing it to the Kafka topics for the consumers.

FedNLP: An Interpretable NLP system to decode Federal Reserve communications (Associated with the University of Sydney)

- Decoded FOMC speakers' public speeches to predict whether the federal rate would be lowered, maintained or raised. Studied the effect of Attention on text data/ NLP and achieved an accuracy score of 74%.

PROFESSIONAL EXPERIENCE

Social Media Moderator – Customer Service Representative May 2023 – current

Majorel, Waterloo, Ontario

- Responsible for evaluating online social media or advertising content in conjunction with policy.
- Visually navigate and review images and text-based content through internally developed applications or client tools as appropriate.
- Analyze and evaluate the appropriateness of videos, sound, article, or any piece of information for social media publication;
- Proof read contents before publication or broadcasting and make sure they are not violation company's code of conduct;
- Approve or flag content in violation of client requirements and code of conduct;
- Edit images in accordance with client standards
- Participate in meetings to discuss findings and ongoing recommendations for content editing.
- Use internally developed applications to generate quality reports if required.
- Maintain high-quality deliverables in daily workflow.
- Examine content which may include ad units, applications, or web pages, and record findings using web-based tools and workflow systems.

- Work with exceptional attention to detail and deliver optimal quality and productivity levels determined through data analysis.
- Send feedback to the content author through appropriate channels.

Machine Learning Engineer (Co-op Student) January 2023 – April 2023

Ontario College Application Services, Guelph, Ontario, Canada

- Involved in building an ETL sandbox/prototype on the company's Azure cloud infrastructure using Azure Data Factory and Synapse Analytics.
- Built a Data Quality framework using Purview REST API calls on a PySpark notebook (Synapse Spark Pool).
- Investigating data quality evaluation metrics, collecting metadata, data lineage and governance (MS Purview), creating data catalog and implementing data shares (Azure Data Share) internally.

Skills: Microsoft Azure · Extract, Transform, Load (ETL) · Azure Data Factory · Azure Data Lake ·

***Senior Analyst
Capgemini Technology Services India Limited***

July 2016 – August 2017

- Fine-tuned existing SQL queries to improve efficiency.
- Prepared periodic documentations for every database update.
- Duly imparted pertinent knowledge to fellow teammates through Knowledge Transfer sessions.
- Hands-on experience with the ServiceNow interface, including incident management and initiating and resolving change requests.
- Participated on client conference calls (across various IT divisions) to solve issues.
- Reviewed changes made to the MDM architecture to avoid inconsistencies with previous functionalities.
- Ran shell scripts periodically for database patching/upgrades.
- Checked and resolved client database connectivity issues owing to incorrect data formatting.
- Worked closely with both teams to set up remote desktop facilities off-shore.

PROFESSIONAL CERTIFICATION

- (SAA-C02): AWS (Amazon Web Services) Certified Solutions Architect Associate