Abinav Ramesh Sundararaman

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EDUCATION

McGill University, Desautels Faculty of Management   **Montreal, Canada**
Master of Management in Analytics (MMA)   Aug 2018 – Jun 2019
- CGPA: 3.92/4.0 (Dean's Honors List), MMA Outstanding student award, Best Capstone project award

National Institute of Technology, Karnataka   **Surathkal, India**
Bachelor of Technology, Concentration in Electronics and Communications   Jun 2012 – Jun 2016
- CGPA: 3.68/4.0, Top 0.01 percentile in All India Entrance Examination-2012

TECHNICAL SKILLS

1. Big Data technologies : Impala, Spark, Hadoop, Hive (HQL), Google BigQuery, Maven, Oozie
2. Data Science Tools: Python, R , SAS, MATLAB, Tableau, PowerBI, MicroStrategy, SAP Business Objects
3. Databases: Microsoft SQL Server, MySQL, Teradata, SAP HANA, Neo4j
4. Deep Learning frameworks: Keras, PyTorch
5. Programming Languages : Scala, Java, C

PROFESSIONAL EXPERIENCE

Bell Mobility   **Toronto, Canada**
Data Science Developer   Jul 2019 – Present
- Enabled potential savings of 0.56 Million by identifying key drivers for modem upgrade failures using supervised and semi-supervised machine learning models, with a recall of 70% (ensemble-based models, neural network architectures),helping in proactive detection of impacted customers
- 90% reduction in customers experiencing issues by implementing Self-healing solution for modems using REST APIs
- Developed Network Outage detection model (Anomaly detection) to proactively detect outages in almost 28,000 locations across Canada and fix equipments before failure.
- Implemented Spark applications (on Scala and Python) using Gitlab CI/CD and worked on big data technologies like Hadoop, Hive, Impala, Oozie to generate Summary tables, enabling effective Data Analytics and Machine learning

McKesson Canada   **Montreal, Canada**
Data Engineer Intern   Oct 2018 – Jun 2019
- Enabled a potential annual savings of 600,000 CAD by implementing a robust and flexible Supplier Performance Management program, using statistical optimization methods
- Engineered a Supervised Learning model to predict on-time delivery of Purchase orders, enabling better collaboration between McKesson and their suppliers

Deloitte Consulting (SAP Analytics)   **Bangalore, India**
Business Technology Analyst   Aug 2016 – Jul 2018
- Generated Business Intelligence reports on SAP Business Objects and SAP HANA (SAP high-performance analytic appliance), helping Sales and Finance departments to derive actionable insights
- 2x-5x decrease in query execution time by developing database views and stored procedures, thus optimizing database experience and user-friendly reporting

DATA SCIENCE PROJECTS

- Twitter Analysis of Marijuana legalization [Twitter Analysis] : Using NLP Techniques to analyze sentiments of tweets related to legalization of Marijuana in Canada (NLP, twitterscraper, VADER sentiment analysis, LDA, Text Analytics)
- Network Analysis of Cancellation of Airpower [Network Analysis] :Social Network Analysis involving calculation of centrality metrics to identify top influencers (rtweet, Emoji Analysis, word cloud, Google Vision API)
- Web Scraping and Car brand analysis [Car brand analysis]: Web scraping from edmonds.com forum and performing association analysis on car brands and plotting MDS charts (BeautifulSoup, selenium, text mining)

LEADERSHIP AND EXTRACURRICULAR

The Bigger Data   **Montreal, Canada**
Data Science Project Manager   Oct 2020 – Present
- Managed an Analytics people, leading Data Quality initiative for a huge Non-Profit organization (>30K + members worldwide), contibuting to the development of their business world-wide

Institution of Engineering and Technology   **Montreal, Canada**
Joint Secretary   Jun 2012 – Jun 2016
- Conducted Technical events and workshops, mentoring juniors in the topic of Microcontrollers

INTERESTS

Languages: English (Fluent), Tamil (Native), Kannada (Fluent)   **Hobbies:** Badminton, Tennis, Music, Cooking