

Vighnesh Thakur

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SUMMARY

- 3+ years of experience in design, coding, and end to end delivery of agile projects including scrum and kanban
- Delivered solutions in brainstorming environments that required critical analytical skills
- Held a track record of successful completion of industry-relevant certifications and courses, and extensive experience in applying data analytics methodologies to both academic projects and high-profile client projects, including some top financial institutions in Canada

TECHNICAL SKILLS

Programming Language and Tools: Python, R, SQL, C, Java, Linux, Tableau, Advanced MS- Excel, NoSQL

Cloud Services: AWS (IAM, S3, ELB, Lambda, CloudWatch), Apache Kafka, Airflow, Spark, RedHat JBOSS, Azure

Databases: MySQL, Oracle SQL, Cloud SQL, Dynamo DB, RDS

Analytical Skills: Data wrangling, Classification, Debugging, Clustering, Query performance tuning, Optimization, ELT and ETL

CERTIFICATIONS & COURSES

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| • Building ETL and Data Pipelines with Bash, Airflow and Kafka | IBM |
| • AWS Certified Developer Associate - DVA-C02 | Amazon |
| • Certified Tableau Desktop Specialist - TDS-C01 | Tableau |
| • Advanced SQL for Query Tuning and Performance Optimization | LinkedIn |

EDUCATION

Master of Management, Business Data Analytics

Jan 2022 - April 2023

Odette School of Business, University of Windsor

Coursework: Data Analytics & Project Management, Data Analytic Methodology & Algorithm, Quantitative Studies

Bachelor of Engineering, Computer Science

June 2014 - March 2018

Mumbai University, Mumbai, India

Relevant Coursework: Object Oriented Programming, Structured Programming Approach, Machine Learning

WORK EXPERIENCE

Relevant Experience

Software Engineer

November 2018 - July 2021

GoldenSource Corporation, Mumbai, India

- Liaised with cross-functional teams to plan, design comprehensive data narratives, reports, and documents based on insights gathered from regular stand-up meetings with executives from two of Canada's leading financial institutions, as well as other global clients
- Deployed enterprise level softwares; leveraging Java, Docker, Kubernetes, Linux and, AWS tools to set up robust UAT and SIT testing environments.
- Designed, created, modified, and removed database objects such as tables, views, indexes, and stored procedures to support business development needs
- Developed automation testing suite using Selenium drivers for regression testing of GoldenSource security master and risk master components, resulting in a 63% improvement in test efficiency
- Performed ETL on databases and revised connector files in response to vendor notifications from Bloomberg, Six Telekurs, Refinitiv, and Swap-monitors to improve data integration and maintain data accuracy in production environments

Technical Consultant

May 2022 - April 2023

Spectre Financial, Windsor, Canada

- Crafting engaging data narratives and models using Tableau, Excel, and R Language
- Providing comprehensive sales illustrations to members of the sales team, by leveraging my strong communication and analytical skills to present complex data in a concise manner
- Decision maker in analysing and diagnosing company's IT infrastructure and implementing technology-based solution

Data Science Intern

August - November 2021

Hamoye International, Remote, Nigeria

- Developed and analysed a multivariate machine learning model using Python libraries to investigate the impact of input variables on residential building heating and cooling loads, showcasing my ability to apply advanced statistical analysis techniques to real-world problems

ACADEMIC PROJECTS

Startup Performance Analysis

- Led the project by designing scalable, fault-tolerant data pipeline that ingested, transformed, and enriched raw data from diverse sources in real-time, using cutting-edge tools and frameworks such as **AWS** and **Tableau** to transform complex data sets into actionable insights to drive business decisions
- Integrated serverless code pipeline using **Kafka** and **AWS Lambda** to process streaming data and trigger pipeline actions in response to the data

De-Congesting the national highways by analysing the road traffic data

- Performed **ETL** using **Bash** created streaming data pipelines using **Airflow** and **Kafka** to load data in the Database; conducted **Exploratory Data Analysis**, using **R** libraries such as dplyr and ggplot to gain insights on the data