

Himalya Bachwani – Data Scientist, Licker Geospatial Consulting Co.



Education

M.Sc., Computer Science with Big Data Specialization, Simon Fraser University, Burnaby, BC, 2023

B.E., Computer Engineering, LDRP Institute of Technology and Research, Gujarat, India, 2018

Employment History

LICKER GEOSPATIAL CONSULTING CO. - Vancouver, BC - Data Scientist (May. 2022 to Present)

LENDINGTREE - Gujarat, India - Data Scientist (Jul. 2019 to Aug. 2021)

TIMES GROUP - Gujarat, India - Sessional Instructor (Aug. 2018 to Jun. 2019)

Expertise

- R, Python, SQL, Git, ArcGIS
- Dash, Tableau, PowerBI
- JavaScript, HTML, CSS
- Data Wrangling, Statistical Analysis and Data Visualization
- Modelling and Optimization
- Machine Learning

Biography

Himalya Bachwani is a highly motivated Data Scientist who possesses a profound passion for implementing data science in practical and actionable settings. Following three years of building a sturdy professional expertise in the fintech domain in India, he opted to pursue an MSc in Big Data from SFU to enhance his breadth of knowledge in machine learning. He has demonstrated his expertise in scripting for automating and handling extensive datasets, ensuring scalability, as well as developing insightful dashboards and reports for stakeholders.

Himalya commenced his co-op work term with LGeo in May 2022 and is now working full-time, where he has garnered a diverse range of experiences utilizing his adept data analytic and programming skills to optimize spatial projects. He possesses a robust ability to critically analyze problems, identify, evaluate, and propose effective solutions, make informed decisions, and implement innovative approaches. His track record attests to his proficiency in developing creative solutions to complex challenges.

Select Project Experience

Optimization

- **Spatial Optimization:** Developed Tow Truck Routing Optimization Under Constraints and Scenario Analysis for IAA using Python.
- **Query Optimization:** Optimized the query performance from 24hours to 6hours for OnRoad Transportation, ICBC using Python and SQL.

Dashboard Development

- **UBC Hart:** Developed a dashboard with interactive map allowing users to filter data by clicking a region using Python Plotly and Dash.
- **Consumer Bureau:** Developed a dashboard to evaluate operational metrics such as credit score and debt by analyzing US census and financial data using Tableau.
- **Marketing Attribution:** Built a PowerBI dashboard to assist PR team of LendingTree to analyze backlink information to build outreach link building report

Data Engineering

- Managed and developed the production of the user-friendly dataset for 2500 FDIC-insured financial institutions for Newsweek and LendingTree.
- Scheduling various ETL processes to create a daily mailing subscription and alerts for SEO ranking of LendingTree's blogs using Store Procedure, Google Analytics and Talend.

Predictive Analysis

- Build a twitter topic-classified customer reply tool having 85% accuracy with an aim to reduce the airlines' workload using Kafka, LSTM and LDA.



Licker
Geospatial
Consulting Co.

2405 East Hastings St
Vancouver BC, V5K 1Y8