Nitish Raj

Luxembourg

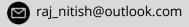(352) 661-994-931 raj_nitish@outlook.com linkedin.com/in/nitish-raj/ github.com/nitish-raj

EXPERIENCE

Amazon, Luxembourg

Senior Business Intelligence Engineer *August 2018–Present*

- Hands on experience in data modeling, integration testing, documentation, and CI/CD using internal development tools, resembling dbt and GitLab.
- Created a Python-based ETL solution for Amazon's internal API, establishing a foundational data source for advanced analytics, including Redshift data modeling and storage.
- Orchestrated the end-to-end AWS machine learning pipeline, improving true positive rates from 6% to 20%.
- Implemented data modelling for WebApp using Python (Django) and AWS (EBS, Glue), improving throughput for 200 employees by 50% and establishing a centralized source of truth.
- Optimized sampling (algorithm) and work allocation with a Python and AWS Glue based solution, reducing standard deviation by 20% and saving resources equivalent to three full-time positions.
- Collaborated with SMEs from 6 teams to establish 30+ core KPIs and developed data pipelines (SQL and PySpark) to track 100+ KPIs in Tableau, reducing reporting lag by 5 days.
- Established core KPIs to drive enhancements and support the launch of new features in supply chain simulation systems.
- Actively collaborated with cross-functional supply chain teams, conducting in-depth analyses to quantify deviations between actual and predicted data, and facilitating agile planning for future weeks.
- Awarded for building frameworks and KPIs to identify false negatives, which recovered more than $7 million in impacted product listings.
- Implemented a multilevel metrics monitoring system for behavior analysis and established an effective feedback loop, reducing product classification error escalations by 60%.
- Contributed to team growth by conducting 100+ technical interviews and providing mentorship.

Mu Sigma Business Solutions Pvt Ltd, India

Decision Scientist (Consultant) *July 2015–July 2018*

- Developed machine learning models for targeted marketing campaigns based on Net Promoter Score (NPS) and customer activity, improving customer retention by >10%.
- Established a data-driven approach for multi-channel attribution (MCA) to identify the most effective channels in the customer journey and optimize budget allocation, which decreased customer acquisition cost by an average of 8%.
- Established the KPIs for pre- and post-value-add analysis, utilizing A/B testing methodology for closed-loop credit card offers, and automated the report in Tableau.
- Conducted time-series analysis to group transactions, isolate exceptions, and delivering findings in Tableau.
- Designed data architecture and visualizations to track spending and transaction metrics in the European market, overcoming unstructured and multilingual data challenges using Qlik and SQL.

EDUCATION

Siddaganga Institute of Technology, Karnataka, India

Bachelor of Engineering, Computer Science *Sept 2011 - May 2015*

SKILLS

Tools: Docker, Git, dbt, SAS Miner, Terraform | **Programming:** Python, R, SQL, PySpark, SAS | **Cloud:** AWS (Lambda, EC2, Sagemaker, S3, RDS, Glue, Elastic Beanstalk, SNS, CloudWatch, DynamoDB, Route 53, CDK), GCP (BigQuery, Compute Engine, Cloud Storage), Databricks, Snowflake | **Business Intelligence:** Tableau, QuickSight, Qlik, Metabase, Looker, Power BI | **Languages:** English (Fluent) , French (Basic – A1)