

JONATHAN VINAY GABRIEL

United States ♦ (857) 313-2720 ♦ gabrieljonathan164@gmail.com ♦ [linkedin.com/in/jonathangabriel164](https://www.linkedin.com/in/jonathangabriel164) ♦ [GitHub](#)

SUMMARY

Professional **Data Analyst** with 2+ years of business and data analysis experience, leveraging quantitative analysis techniques on large complex data to generate actionable strategic insights. Adept at collaborative work across cross-functional teams with expertise in enhancing performance and decision making for Consulting, Healthcare, SaaS and Finance sectors

EDUCATION

Northeastern University – D’Amore McKim School of Business

Boston, MA

Master of Science in Business Analytics

September 2022 - December 2023

Coursework: Data Science & Machine Learning, Marketing Analytics, Healthcare Analytics, Database Mgmt.

St. Joseph’s Degree & PG College

Hyderabad, India

Bachelor of Business Administration in Business Analytics

June 2017 - September 2020

Coursework: IBM Data Analytics, Accounting, Financial Models, Investment & Portfolio Mgmt., Business Statistics.

EXPERIENCE

Ryan LLC, Hyderabad, India | Business Analyst

June 2021 – August 2022

- Led the migration of on-prem unclaimed property systems to AWS cloud, pairing 5 legacy databases into a unified architecture on S3 and **Redshift**, decommissioning \$500K of servers and increasing uptime from **2 outages per month to 99.95%**
- Designed Power BI **interactive dashboards** connected to **Snowflake data warehouse** to provide principle leaders across other teams with real-time visibility into \$10M worth of property accounts of distinct clientele
- Directed **data science** initiatives to deploy machine learning models i.e. Random Forest and SVM to successfully forecast monetary trends and behaviors with a score of 87, resulting in **\$4.2M in recovered assets** and 25% reduced forecasting errors
- Developed over **50 stored procedures** and tuned complex SQL queries to **ingest data from 25 sources** into Microsoft SQL Server Database, standardizing ETL processes and data interpretation, reducing **response times from >1 min to <5 secs**

Ryan LLC, Hyderabad, India | Process Associate

June 2020 – June 2021

- Launched financial reporting solution using **VBA macros** to ingest 100+ statement PDFs and extract clean and preprocessed data into formatted **Excel** reports with array functions and pivots, reducing monthly manual effort from 120 hours to 24 hours
- Built **6 data-driven dashboards** on Tableau providing real-time trends, risks and impacts of 45 state law-litigation revisions to key stakeholders using predictive model **KPIs**, enabling 50% improvement in reporting and compliance strategies
- Streamlined **Confluence knowledge base** with **SOP** documentation for 10+ ETL, EDA and preprocessing jobs and a data dictionary clarifying over 100 fields, enabling process associates to **onboard within 2 weeks**
- **Trained and mentored** 8 employees on priority DEI modules, SQL aggregations and Excel formulas, to boost collaborative abilities and technical proficiency, improving project turnover time by 25% and **error escalations to less than 5%**

SKILLS

Competencies: Python (SciPy, StatsModel, Pandas, NumPy, Seaborn, Matplotlib), SQL, R Programming, R Studio, Advanced Excel, ML Models (Time Series, Regression, Classification, Decision Tree, PCA, XGBoost, Clustering), Statistical Analysis (Exp Design, Hypothesis test, Time Series), AWS, Azure, GCP, Market/Customer Segmentation, Data Pipelines

Business Intelligence: Looker, Tableau, Metabase, Power BI (MS BI stack), IBM Cognos, QlikView, Google Data Studio

Databases: Microsoft SQL Server, MySQL, Oracle, PostgreSQL, BigQuery, MongoDB

Tools: JIRA, Confluence, Lucid, SPSS, Alteryx, MS Access, Apache Spark, Visio, Google Analytics, MS Office Suite

Expertise: ERDs, Agile Methodologies, Customer Service, Internet and Market Research, Data Visualization

PROJECTS

HDAI ACO Analysis - Capstone | SQL, MySQL, R Programming, Excel Analytics, Healthcare Analysis |

- Collaborated with Health Data Analytics Institute to segment and rank 300 **ACO’s** (Accountable Care Organization) based on performance and recommended strategies to achieve **top decile/tier** performance in R Studio
- Built prediction model based on rate of adverse events, unplanned hospitalizations, ED and doctor visits and labs ordered

Smart Retailer | Python, Jupyter Notebook, Marketing Analytics and Research | [GitHub](#)

- Developed personalized **recommendation system** utilizing **RFM** analysis, **KNN** algorithms, **market basket analysis**, and **item-based collaborative filtering** in Python to effectively identify frequent purchase patterns and provide targeted product recommendations to customers. Resulted in increased **customer satisfaction** and 10% lift in sales prediction

PERSONAL DEVELOPMENT

- Managed \$50K budget and negotiated with vendors for university events, including the 2023 NEU Graduation ceremony.
- Led project team of 4 collaborating with graphic designers and managed a \$45K creative budget to coordinate marketing assets for new service launch at Ryan.