GAUTAM NAIR

Salt Lake City, UT | (385) 487-3385 | Email | LinkedIn | GitHub | Portfolio

EDUCATION

University of Utah, David Eccles School of Business — Salt Lake City, UT
Master of Science, Business Analytics | GPA: 3.8 — *August 2023 - December 2024*

Pune University — India
Bachelor of Engineering, Computer Engineering — *August 2016 - May 2020*

TECHNICAL SKILLS

Certification: Qlik Sense for Analysts and AWS Scalability, Python Data Structures, and Data Science in Python
Programming: R, Python, C++
Databases/Big Data: SQL Server, MySQL, Hadoop, Hive, Microsoft Excel, Spark, Kafka, Snowflake, Apache Airflow, Redshift
Techniques: Data Mining, Data Visualization, Predictive Modeling, Exploratory Data Analysis, Forecasting, Data Mapping
Analytics/Visualization: QlikView, Qlik Sense, NPrinting, Tableau, Power BI, Azure Synapse Analytics, Azure Data Lake

PROFESSIONAL EXPERIENCE

Data Engineer — India
LTIMindtree, Client: Johnson & Johnson — *January 2021 - July 2023*

- Drove a 20% reduction in downtime by optimizing SQL Server queries, implementing advanced root cause analysis, and leveraging Qlik to stabilize enterprise reporting systems.
- Improved performance and computing time by 60% by automating and optimizing server maintenance for QlikSense, QlikView, and NPrinting using Python, Shell scripting, and scheduled cron jobs.
- Enhanced reporting accuracy and speed by 15% by optimizing server performance on Tableau platform, addressing high RAM and CPU consumption through collaboration with analysts, developers, and stakeholders.
- Directed automation of customer order data analysis using Hive, Kafka, Spark, Snowflake, and Tableau, building ETL pipelines and visualizations to reduce processing time by 40%.
- Engineered a real-time data pipeline processing 300M+ records from 30+ sources with Azure Data Factory and Databricks, ensuring seamless integration.
- Leveraged Convolutional Neural Networks and SQL Server using Python to engineer cutting-edge solutions, optimizing quality and performance by 30%.
- Architected regression modeling and database design to ensure 100% data integrity, optimizing structures and driving a 25% improvement in identifying healthcare product performance.

Data Analyst Intern — India
Web Avenue Tech — *June 2020 - September 2020*

- Mined retail data using MySQL to uncover trends and optimize recommendations, boosting sales by 10%.
- Analyzed customer behavior using Power BI, delivering insights that reduced churn by 30%.

PROJECTS

Swire Coca-Cola: Predictive Maintenance Framework — *August 2024 - December 2024*

- Reduced downtime by 45% by predicting maintenance needs using failure risk score, powered by EDA, feature engineering, and machine learning models like Random Forest and Survival Analysis.
- Saved $27M by designing Power BI dashboards for real-time risk alerts and proactive maintenance.

Environmental Sensor Data Analysis — *January 2024 - April 2024*

- Achieved 84% weather forecast and ecological trend accuracy by leveraging Azure ML and Apache Airflow to implement a data pipeline driven by environmental sensor data.

Home Credit Default Risk — *January 2024 - April 2024*

- Developed a predictive model for credit default risk with 75% accuracy, enhancing risk management and reducing defaults, which supported Home Credit's financial inclusion efforts and Improved profitability.

ACTIVITIES & ACHIEVEMENTS

Swire Coca-Cola Capstone Winner — *August 2024 - December 2024*

- Optimized maintenance processes and resource allocation using Power BI, EDA, and predictive modeling.

Chartwells Dining Hall Event Coordinator — *September 2023 - December* 2024

- Organized college events for incoming students and their parents and conducted in-depth data analysis on student traffic patterns with Power BI, optimizing service efficiency during peak times and resulting in $50,000 in cost savings.

Game Day Analytics Challenge — *January 2024 - March 2024*

- Boosted 30% in ad revenues by analyzing 1.7M Super Bowl tweets to determine top-performing brands using Tableau and Python to generate actionable insights and visualizations.