

NITISH GOVIND BELAGALI

Boston, MA

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Data Analytics Scientist with 3.5+ years of experience in machine learning, BI, and cloud pipelines. Skilled in Python, SQL, and GenAI, delivering analytics solutions that enhance customer experience and drive business impact

EDUCATION

Northeastern University : *MS in Information Systems* | Boston, USA | GPA: **3.7 / 4.0**

- Courses: Data Warehousing and Business Intelligence, Gen AI and Prompt Engineering, Data science, ML

KLE Technological University : *BE in Computer Science* | Hubli, India

SKILLS

Scripting Languages	Python (NumPy, Pandas, Matplotlib), Spark, Java, R
Business Intelligence	Tableau, PowerBI, Databricks, Alteryx, ER Studio, Airflow, Data Storytelling
Statistics	Regression, Clustering, Classification, t-test, Chi-square, AB Testing, time series analysis
Database systems	PostgreSQL ,Oracle , SparkSQL, MySQL, NoSQL, Redshift
Cloud and Other tools	BigQuery, Azure Data Factory, GitHub, Jupyter , JIRA, Confluence

EXPERIENCE

Boehringer Ingelheim, *IT Data Analyst* | Danbury, CT, USA

Jan 2025 – Jul 2025

- Automated weekly export of 50M+ rows from Oracle into distributed data pipelines using Python and SQL, integrating outputs into Amazon Redshift and Power BI/Tableau; improved data integrity, reduced manual effort by 90%, and ensured faster, reliable access to high-volume datasets for analytics
- Delivered stakeholder-approved Power BI dashboards with KPI metric planning and automated refresh; accelerated reporting cycles by 70%, reduced manual review by 30%, and improved KPI tracking for preclinical studies, driving process improvements
- Led the modularization of a complex R Shiny application by coordinating with scientists and engineers, managing timelines, and delivering scalable components across 5+ domains
- Performed exploratory and statistical analysis on toxicology datasets, uncovering trends and anomalies that improved review accuracy by 25% and reduced rework in regulatory submissions by 15%; presented insights through executive summaries and visualizations for leadership

IBM, *Technical Services Specialist* | Bengaluru, India

Aug 2021 – Jun 2023

- Optimized ETL scripts and workflows for a major energy utility client using Informatica and automated pipelines with Apache Airflow, achieving a 45% performance boost and 40% reduction in processing time, which saved the team 100+ hours weekly. Ensured delivery excellence by tracking tasks in JIRA and maintaining documentation in Confluence
- Designed and implemented real-time data collection strategies using Google BigQuery and SQL, improving data organization and accessibility. This reduced data errors by 50%, increased client acquisition by 18%, and streamlined operational efficiency across the utility's data ecosystem
- Supported the adoption of Agile methodologies, collaborating with cross-functional teams to cut project timelines by 15%. Delivered Tableau dashboards and actionable insights that improved application quality, enhanced user experience, and accelerated delivery of business-critical features

Accenture, *Associate Software Engineer* | Bengaluru, India

Feb 2021 - Aug 2021

- Implemented Tableau dashboards to analyze client-facing data, driving a 25% increase in customer satisfaction and a 30% improvement in decision-making accuracy for a biomedical client
- Utilized advanced data analysis methods within Tableau visualizations to uncover critical trends and patterns, resulting in a notable 20% surge in client revenue and a substantial 35% reduction in operational costs

PROJECTS

Spotify data pipeline Personal Project | Boston, USA

Jun 2025 - Jul 2025

- Designed and deployed a Databricks ETL pipeline using Spark on AWS (S3, EMR, Redshift); optimized data flow, improving efficiency by 30% and cutting query latency by 50%
- Architected scalable AWS infrastructure (S3, EC2, EMR) and applied Spark transformations, reducing query latency by 50%

GenAI RAG Chatbot for Policies & FAQs Northeastern University | Boston, USA

Nov 2024 - Dec 2024

- Developed retrieval-augmented chatbot using FastAPI, Chroma, Streamlit with accurate query and citation retrieval
- Dockerized and deployed the GenAI pipeline achieving production-ready workflow with evaluation metrics on accuracy and latency

End-to-End BI Project | Northeastern University | Boston, USA

Jan 2024 – Feb 2024

- Standardized and integrated 1M+ datasets (Austin, Chicago, NYC) using Alteryx and ER Studio for metadata lineage and schema design; automated ETL with Apache Airflow into Azure SQL DW; deployed CI/CD pipelines in Azure DevOps with KPI dashboards in Power BI/Tableau
- Automated ETL load into Azure SQL and developed 5+ interactive dashboards in Power BI & Tableau with CI/CD pipelines in Azure DevOps, reducing reporting effort and improving data accessibility.

HIGHLIGHTS

- Served as a Teaching Assistant for Fall 2024 in Application Engineering and Design, overseeing and supporting a class of approximately 200 students
- Independent research on AI-augmented BI pipelines with real-world e-commerce data, focusing on KPIs, forecasting, and automated insights