

MANVITH BELAME YOGESH

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PROFESSIONAL EXPERIENCE

Product Data Analyst Co-op, Plymouth Rock Assurance, Boston, MA

Aug 2024 – Jan 2025

- Streamlined migration of legacy **SAS** code to **Python**, cutting processing time by **90%** and enhancing scalability in **AWS**.
- Leveraged **Python's** concurrency capabilities along with **Polars** library to process **terabytes** of data from **Redshift** efficiently, significantly boosting system performance.
- Orchestrated **ETL** pipelines using **ECS Fargate** and **Step Functions**, automating data ingestion and enhancing operational efficiency.
- Implemented **KPI metrics** dashboard on **Tableau** powering quick identification of trends and potential issues within claims processing and underwriting performance.

Senior Data Analyst, Accenture Solutions, Bangalore, India

Jun 2022 – Jan 2023

- Developed **event-driven data pipelines** using **AWS Lambda** and **CloudWatch** for automation of business reporting, reducing manual work by **60%**.
- Devised **Splunk-based real-time monitoring dashboards** to visualize booking & application health metrics.
- Programmed **automation** of validating bookings using **Python** and **SQL triggers**, reducing manual effort by **80%**.
- Performed advanced **SQL-based ad-hoc analysis** on customer interactions across **six** applications, aggregating **5M+** daily records to deliver actionable insights for business stakeholders.
- Integrated **RDS** data into **KPI metrics dashboard** on **QuickSight**, improving data processing efficiency by **40%**.

Data Analyst, Accenture Solutions, Bangalore, India

Nov 2020 – May 2022

- Crafted **real-time dashboards** for **six** applications to monitor peak load performance metrics during the initial 15 mins of ticket booking window, ensuring **zero downtime**.
- Led a **cross-functional** team of **8** to successfully launch a booking engine, ensuring timely delivery of critical features.
- Analysed data from nearly **half a million** booking records using **SQL** querying to triage **high priority** requests.
- Deployed automated **CI/CD workflows** on **AWS**, ensuring updates to critical systems within 30 mins of off-park window.

Data Analyst Intern, Nuotech Steels, Bangalore, India

Jan 2020 – Jun 2020

- Designed **ETL** processes to efficiently extract and transform sales data from multiple sources in **S3**, reducing data handling time by **25%**.
- Demonstrated vital trends to stakeholders with **PowerBI** dashboards, showing **20% increase** in sales forecasting accuracy.

PROJECTS

[World Economic Growth Forecast - MLOps](#), [Airflow, MLFlow, Docker, Flask, Streamlit] Apr 2024 - Jun 2024

- Extracted data from the IMF's API to develop predictive models for GDP growth across **196** countries over a span of **30** years, using **Python**, **SQL**, and **TensorFlow** to analyze macroeconomic indicators
- Developed **MLOps** workflows using **Docker** and **Airflow** to streamline data ingestion and model training.
- Created interactive dashboards and web application using **Streamlit** and **Looker**, presenting insights on GDP trends.

[MBTA-Subway-Analysis](#), [Python, SQL, Excel, Tableau]

Sep 2023 – Dec 2023

- Analyzed MBTA subway ridership data using **Python**, **SQL**, and **Excel**, identifying peak travel hours and seasons.
- Built a website to present project findings, collaborating with a team to showcase interactive dashboards in **Tableau**.

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, Angular, R, C, C++

Developer Tools: Tableau, PowerBI, Google Analytics, Jira, Git, MS Office Suite, AirFlow, Splunk

Cloud Computing: AWS (S3, Glue, Athena, Sagemaker, RDS, Redshift, EMR, DynamoDB), Microsoft Azure, Snowflake

Database: MySQL, MS SQL, MongoDB (NoSQL), PostgreSQL, Google BigQuery, Neo4j

Libraries: Pandas, NumPy, TensorFlow, Matplotlib, Seaborn, Folium, ipython-sql, Scikit-learn, SciPy, PySpark

EDUCATION

Northeastern University, Boston, MA

Expected May 2025

Master of Science in Data Analytics Engineering,

3.9 / 4.0 GPA

Courses: Database Management, Data Visualization, Data Mining, Machine Learning, Statistical Methods.

JSS Science and Technology University, Mysore, India

Jun 2020

Bachelor of Engineering

CERTIFICATIONS

- AWS Certified Data Engineer
- Data Engineering Bootcamp, DataExpert.io
- Google Data Analytics Professional