




# SAURABH BHARTI

B.Tech from NIT Silchar | Data Engineer with experience in Azure Data Factory, Databricks, SQL & PySpark

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Detail-oriented Data Engineer with 2 years of experience in building and optimizing data workflows using **Azure Data Factory, Databricks, PySpark**, and **SQL**. Skilled in **cloud-based ETL pipelines, data transformation, and ensuring data quality**. Strong collaborator with a passion for learning and delivering efficient data solutions.

## WORK HISTORY

### Associate

August 2023 - July 2025

PwC India, Gurgaon

#### 1. Eastspring Investments (Client Project – PwC)

##### About:

Worked on a cloud-based ETL data pipeline project aimed at optimizing data workflows and reporting for financial analytics.

##### Key Responsibilities:

- Assisted in designing and building data transformation workflows using Azure Data Factory and Databricks.
- Utilized SQL to extract and transform data from structured and semi-structured sources.
- Supported the development, testing, and monitoring of ETL pipelines.
- Collaborated with cross-functional teams to resolve data quality issues and improve efficiency.

##### Skills Used:

Azure Data Factory, Azure Databricks, PySpark, SQL, Data Cleaning, ETL Monitoring, Team Collaboration

#### 2. Object Detection and Anomaly Detection System

##### About:

A shadow ML project implementing YOLO-based object detection integrated with anomaly detection logic for real-time monitoring.

##### Key Responsibilities:

- Built a real-time object detection system using the YOLO model.
- Developed a web interface using Streamlit for real-time interaction and visualization.
- Used OpenCV and Python for model training, video frame processing, and output display.
- Designed logic to detect anomalies by comparing real-time data against a defined baseline.

##### Skills Used:

Python, YOLO, OpenCV, Jupyter Notebook, Streamlit, Anomaly Detection, Model Training

## EDUCATION

B.TECH in Mechanical Engineering  
National Institute of Technology (NIT) Silchar, Assam  
November 2023  
CGPA: 8.49 / 10

Secondary Education  
New Rainbow Public School, Pratap Vihar, Ghaziabad  
May 2019  
Final Grade: 88%

## SKILLS

- Data analysis** using **SQL** and **Python**
- Working knowledge of **Azure Data Factory** and **Azure Databricks**
- Hands-on experience with **PySpark** for big data processing
- Familiar with **Jupyter Notebook** and **Microsoft Excel**
- Data cleaning** and **anomaly detection** skills
- Good at **team collaboration** and **problem-solving**
- Quick learner** and **adaptable** to new tools
- Comfortable working in **Agile teams**

## CERTIFICATIONS

- DP-900** - Microsoft Azure Data Fundamentals
- AZ-900** - Microsoft Azure Fundamentals
- DP-600** - Implementing Analytics Solutions Using Microsoft Fabric

## LANGUAGES

- English** (Proficient)
- Hindi** (Native)