# Summary

Shakil Ahammed

**Data Analyst**

# Contact

Detail-oriented Data Analyst with hands-on experience as a Research Assistant at SUST. Proficient in analyzing and interpreting complex datasets to drive informed business decisions. Holds a bachelor’s degree in computer science and engineering, equipped with strong analytical skills and a passion for leveraging data to solve real-world problems.

# Education

Bachelor of Science in Computer Science and Engineering *Jan 2020-Present*

Shahjalal University of Science and Technology, Sylhet, Bangladesh

**Certifications** Issuing Organization: [**Cognitive Class by IBM**](https://cognitiveclass.ai/)

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* [Data Analysis with Python](https://courses.cognitiveclass.ai/certificates/06c85c30a31b48bfb51860c1bea63bae)
* [Machine Learning with Python](https://courses.cognitiveclass.ai/certificates/1ec4123200804a76b15e86508c7ae4e8)
* [R for Data Science](https://courses.cognitiveclass.ai/certificates/b01bd227ee2c45caad6162964ee236ee)

# Experience

* [SQL and Relational Databases](https://courses.cognitiveclass.ai/certificates/9c1ccb78c15347509059cdd465526b36)
* [Data Visualization with R](https://courses.cognitiveclass.ai/certificates/ab6c8ccaf4f540d1bed62d1457ce1bc3)
* [Data Visualization with Python](https://courses.cognitiveclass.ai/certificates/f0a4a73c10954007af73b1f07f8c825d)

# Skills

* **Python**
* **R**

**Data Analyst - Research Assistant at SUST** *July 2023-Present*

* I conducted data analysis using **R** on 100+ datasets and over 1000 tree samples related to tree growth, biomass, health, and biodiversity, contributing to a comprehensive understanding of forest ecosystems.
* Developed predictive models using **Python** with an accuracy rate exceeding 70%.

# Projects

**Superstore Sales Analysis Using Python:** I conducted **5 hypothesis tests.**

* Identified technology products ($6,637,78) as the most profitable category.
* Proposed targeted marketing strategies to capitalize on the central region, the [highest performer at $3 mi](https://courses.cognitiveclass.ai/certificates/06c85c30a31b48bfb51860c1bea63bae)llion.
* Implemented same-day shipping options, resulting in lower return rates ($23.91).
* Recommended maximizing sales during peak months (November and December) through enhanced inventory($1.4m+), targeted campaigns, etc.

**Breast Cancer Prediction Using Machine Learning:** I analyzed breast cancer data using a logistic regression model and the model accuracy is **98%**. My trained model can be used for diagnosing individual hospital cells, integrated into a doctor-facing application for making predictions, and potentially linked to a tissue analysis machine for automated diagnosis.

**Credit Card Financial Dashboard Using Power BI:** I created an Interactive dashboard utilizing transaction and customer data from an **SQL** database to deliver real-time insights.

* Revenue increased by 28.8%. • Overall revenue is 57 million.
* Total interest is 8 million. • Reduce data processing time by 80%.
* Overall Activation rate is 57.5%. • Overall Delinquent rate is 6.06%.

**Walmart Sales Analysis Using SQL:**

* Developed SQL queries to extract and manipulate data from the Walmart database.
* Conducted data cleaning and preprocessing to ensure data integrity.
* Present findings to stakeholders and increase efficiency by 15%.
* **Machine Learning**
* **SQL**
* **Power BI**
* **Excel**
* **MySQL**
* **PostgreSQL**
* **Data Visualization**
* **Statistical Analysis**
* **Analytical Thinking**
* **Problem-Solving**
* **Adaptability**

**Portfolio**

*Github:*

[*github.com/SHAKIL-The-Analyst*](https://github.com/SHAKIL-The-Analyst/All-Projects.git)

*Google Drive:* [*drive.google.com/drive*](https://drive.google.com/drive/folders/1MZFQ9YVaML7c3kxDB5P3YU0xpguALp8E?usp=sharing)

# [Language](https://drive.google.com/drive/folders/1MZFQ9YVaML7c3kxDB5P3YU0xpguALp8E?usp=sharing)

* English
* Bengali
* Hindi

**Coca-Cola Sales Analysis Using Excel:** This project aims to assess sales and operating profit margin by quarter across all regions for 2022 and 2023.

* + Coca-Cola brand products significantly contributed to sales, with $2,268,975 in revenue.
  + Total sales in Quarter 3 reached $2,700,000, indicating robust market demand and effective sales strategies.
  + Coca-Cola brand products significantly contributed to sales, with $2,268,975 in revenue.
  + Fizzy Cola retailer company emerged as a significant contributor, generating sales of $2,101,617.