

# Tasnima Aktar

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## LINKS

Portfolio: [tasnimxpress.github.io](https://tasnimxpress.github.io)  
Github: [github.com/tasnimxpress](https://github.com/tasnimxpress)  
LinkedIn: [linkedin.com/in/tasnimxpress](https://linkedin.com/in/tasnimxpress)  
Medium: [medium.com/@tasnimxpress](https://medium.com/@tasnimxpress)

## SKILLS

### PROGRAMMING

Python:

Pandas • Numpy • Matplotlib • Seaborn  
Scrapy • Plotly • OOP

SQL:

PostgreSQL • MySQL • SQL-Server

Others:

HTML • CSS

Tools:

MS Excel(Advance user) • Power BI • Git  
Jupyter Notebook • Google Colab  
KoboToolBox • Microsoft Office 365

### TECHNICAL

Data analysis:

ETL • Data cleaning • Data processing  
Statistics • Data Mining • Data Modeling  
Predictive Analysis • Forecasting  
Exploratory Analysis

Data visualization • Dashboard

Familiar with:

Tableau • AWS • Flask

Time-series Analysis • Data Pipeline

Machine Learning • Data warehousing

## SOFT SKILL

Critical thinking.

Fast Learner and Performer  
problem-solving.

Written and verbal communication  
abilities.

Data-driven analytical Mindset.

Attention to detail.

## EDUCATION

### GONO BISHWABIDYALAY

#### BS IN COMPUTER SCIENCE AND ENGINEERING

August 2021 | Savar, Dhaka

Capstone Project: Developed a  
library management system using  
HTML, CSS, MySQL for database,  
PHP for Backend

CGPA: 3.50 / 4.0

## EXPERIENCE

### TRANSPARENCY INTERNATIONAL BANGLADESH

| DATA ASSISTANT - KNOW YOUR CANDIDATE PROJECT

Nov 2023 - Jan 2024 | Dhanmondi, Dhaka

- Implemented Python scripts for automation, reducing 30% manual workload, maintaining a high standard of accuracy of election candidate data.
- Spearheaded advanced web scraping with Python (Scrapy, BeautifulSoup) on diverse platforms, reducing manual effort in efficiently gathering and analyzing election data for 9th to 12th elections.
- Applied Power Query, functions, and formulas in Excel to streamline data cleaning, filtering, and transformation.
- Experienced in using KoboToolBox, and Power BI to create impactful dashboards and reports.

### BIZDATA INSIGHTS

| INTERN DATA RESEARCHER AND ANALYST

Dec 2022 - June 2023 | Banani, Dhaka

- Ensured 100% data accuracy through precise data cleaning and preparation in Excel, laying the groundwork for reliable decision-making.
- Drove a 25% process improvement by developing operational reports and enhanced cross-departmental collaboration, resulting in 20% better data-driven decisions.

## PROJECT (LINK)

### EXPLORATORY AND CONFIRMATORY DATA ANALYSIS

Link: [github.com/tasnimxpress/eda-cda](https://github.com/tasnimxpress/eda-cda)

Achieved a 95 percent accuracy rate by proficiently cleaning the dataset, conducting detailed analysis using Python and Pandas, and visually presenting results with Plotly, Matplotlib, and Seaborn in Jupyter Notebook.

### SQL-DATA EXPLORATION

Link: [github.com/tasnimxpress/sql-data-exploration/](https://github.com/tasnimxpress/sql-data-exploration/)

This project explores COVID-19 vaccination and death dataset around the world. Used advanced SQL clauses in MS SQL Server.

### SALES DASHBOARD IN POWER BI

Link: [novypro.com/project/sales-dashboard-32](https://novypro.com/project/sales-dashboard-32)

Analyzed sales data and created a dashboard, visualized the insights using DAX and Power BI.

### CUSTOMER CHURN PREDICTION MODEL

Link: [tasnimxpress.github.io/churnml.html](https://tasnimxpress.github.io/churnml.html)

Achieved 96 percent accuracy in customer churn prediction ML model utilizing Python and an optimized K-Nearest Neighbors algorithm.

## ACHIEVEMENT

- Data Analysis with Python | IBM skill network
- Work Smarter with Microsoft Excel | Microsoft
- SQL: A Practical Introduction for Querying Databases | IBM
- Advanced SQL | Great Learning