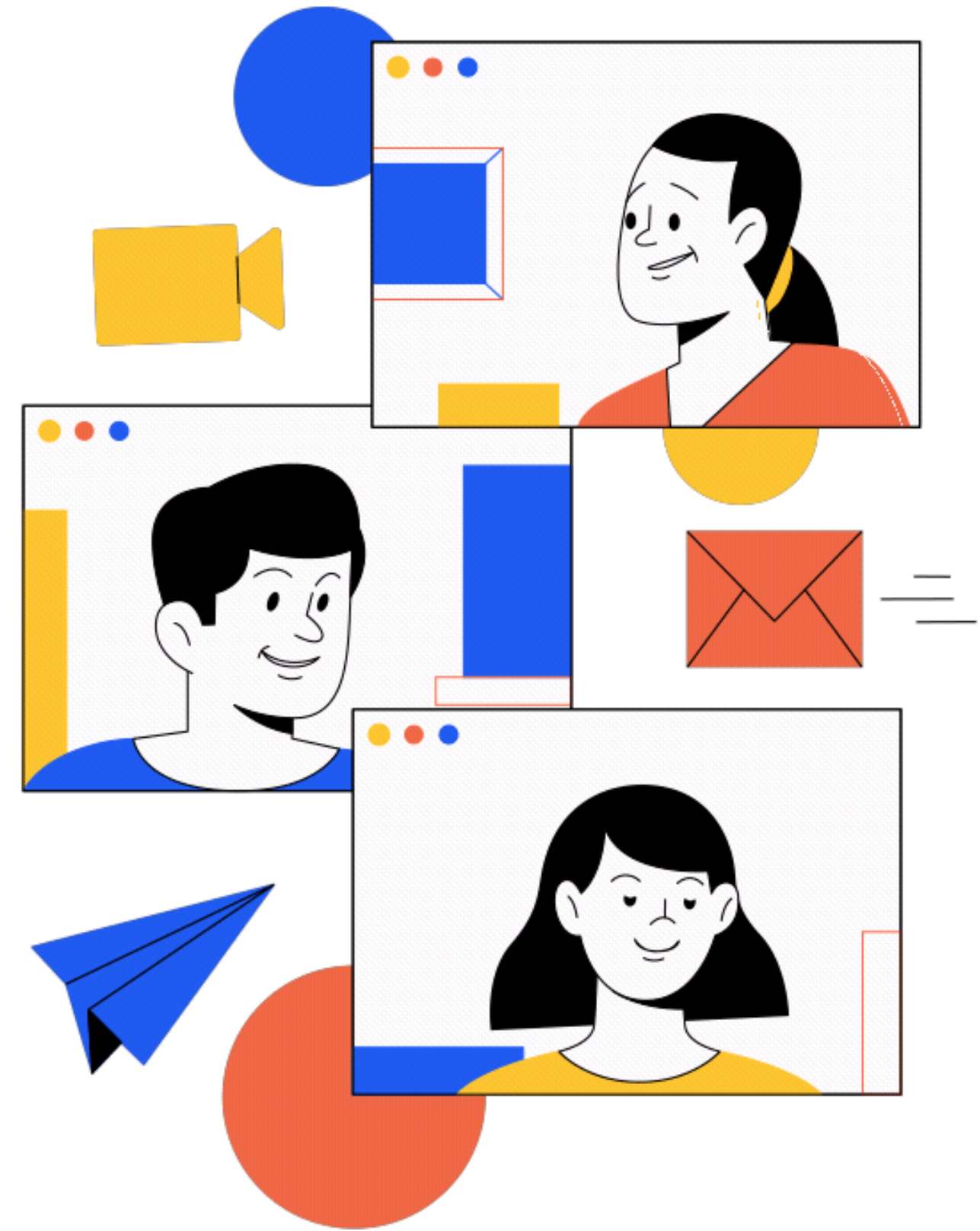


 SAHIL

welcome! to My Portfolio !

Presented by Me: **MD SAHIL ISLAM**

A Data Analyst & Machine Learning Enthusiast





Introduction of Me & My Journey

Ever since I was a child, I've been passionate about computers and fascinated by the world of business. As I grew older, that passion only deepened — I became more curious about how data drives decisions and shapes success. One day, I made a promise to myself: I would become a great **Data Analyst** who transforms raw data into meaningful business insights. Today, I'm on that journey — exploring patterns, building models, and creating visual stories that help businesses make smarter choices.





Name: Md Sahil Islam

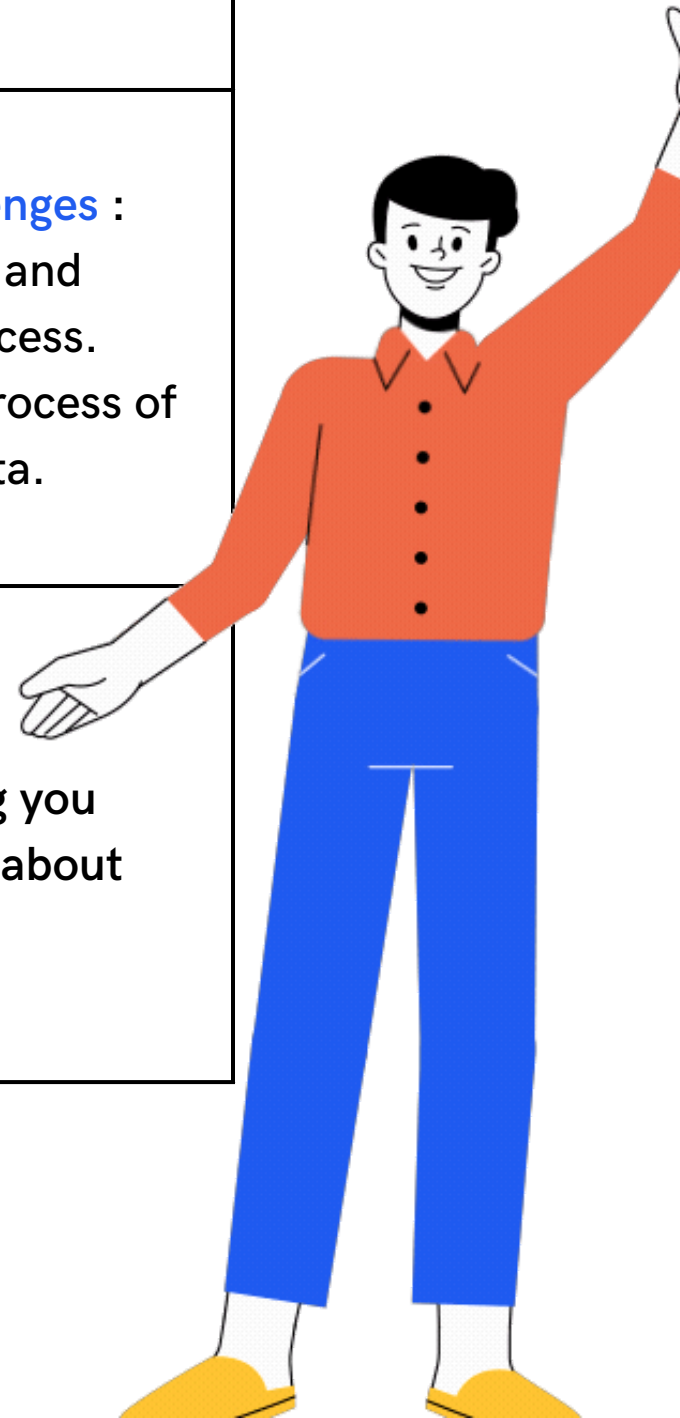
Age: 24 years old

Location: Kolkata, India

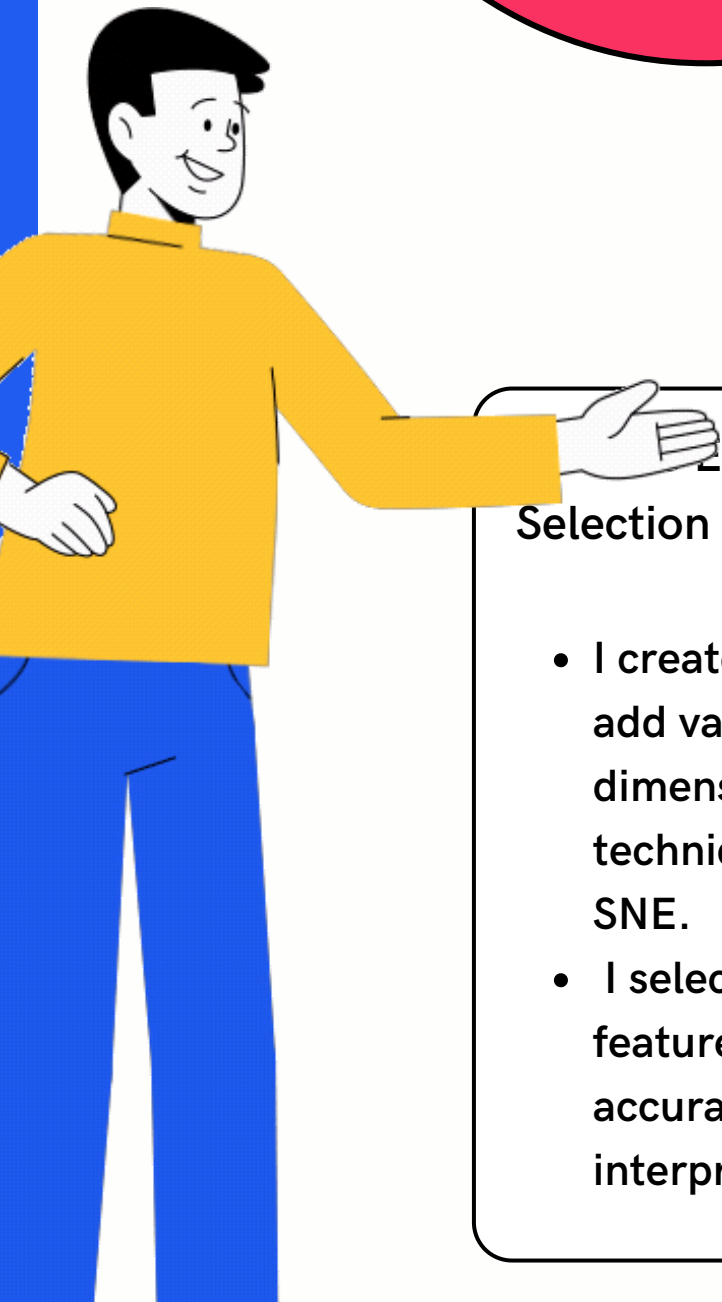
User Description:

I'm Sahil, a passionate data analyst skilled in Python, SQL, statistics, generative ai, visualization, and machine learning. I love turning raw data into clear, actionable insights and building interactive dashboards that tell compelling stories. Always learning, always exploring.

Personal Characteristics: <ul style="list-style-type: none">• Willing to learn• Solution-oriented	Hobbies and Interests: <ul style="list-style-type: none">• Reading• Listening Music
Goals: <ul style="list-style-type: none">• Want to be the great at what i am doing.• To expand my skills in data field.	Interesting Challenges : <ul style="list-style-type: none">• Data cleaning and managing process.• Storytelling process of raw messy data.
Needs: <ul style="list-style-type: none">• A talent recognising field where i can show my skills.	Passion: <ul style="list-style-type: none">• I am assuming you already know about that.



My Data Analysis Process



Data Collection & Understanding

- I begin by identifying the business problem and collecting data from reliable sources like CSVs, APIs, or databases.
- I explore the dataset to understand its structure, variables, and relevance to the objective.

Data Cleaning & Preprocessing

- I clean the data by handling missing values, removing duplicates, and correcting data types.
- I also apply scaling and encoding techniques to prepare the data for analysis or modeling.

Exploratory Data Analysis

- Using tools like Pandas, Seaborn, and Plotly, I analyze distributions, trends, and correlations. Visualizations help uncover hidden patterns and guide feature selection or model choice.

Feature Engineering & Selection

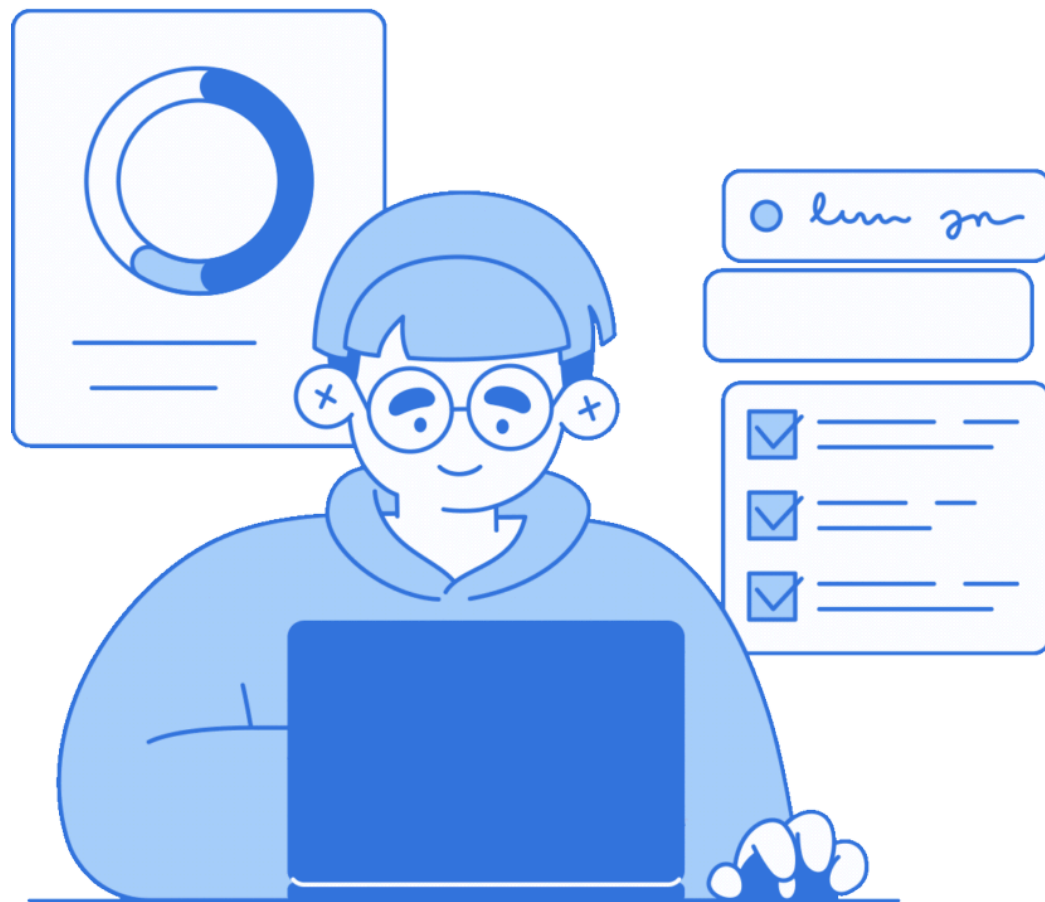
- I create new features that add value and reduce dimensionality using techniques like PCA or t-SNE.
- I select the most relevant features to improve model accuracy and interpretability.

Modeling & Evaluation

- I choose suitable models based on the problem type — regression, classification, or clustering.
- I evaluate performance using metrics like MAE, RMSE, R^2 , precision, recall, and ROC-AUC.

Visualization & Storytelling

- I build interactive plots and dashboards using Plotly and Dash to present insights clearly.
- My focus is on making data understandable and actionable for both technical and non-technical audiences.



Tools I Use

Python: Pandas, Seaborn, Scikit-Learn, Matplotlib, Numpy, Scipy, Plotly

SQL: My SQL Database

Microsoft Excel: Pivot Table, Join, Data Handling

Power BI: Interactive Dashboards & Visual Insightful Representation

Tableau: Explore Visually Compelling Data Dashboard Through Intuitive Drag-and-Drop Analytics.

Generative AI & Prompt Engineering: Explore Generative AI Tools To Enhance Productivity, Automate Tasks, and Generate Insights, With Prompt Engineering.

Interests

- Exploring data patterns through clustering and dimensionality reduction
- Creating interactive visualizations.
- Building predictive models to solve real-world business problems
- Enhancing storytelling through clean, insightful dashboards and reports
- Leveraging generative AI and prompt engineering for smarter workflows

*My Technical Skills & Knowledge For **Data Handling, Manipulating & Data Management***

Goals

- Using Python libraries like Plotly, and Scikit-Learn for advanced analysis and visualization
- Build interactive dashboards using Power BI and Tableau for business storytelling
- Improve SQL skills for efficient data extraction and transformation
- Use Excel for quick analysis and reporting in business contexts
- Explore generative AI tools and prompt engineering to enhance productivity and insights

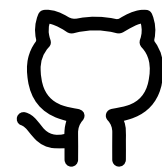


My Space For Data Projects

I use Kaggle to analyze real-world datasets, share notebooks, and showcase my data projects.

Kaggle

I use GitHub to host my code, manage projects, and share data analysis work with the community.



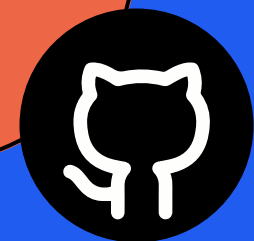
[Click Here](#)

Kaggle

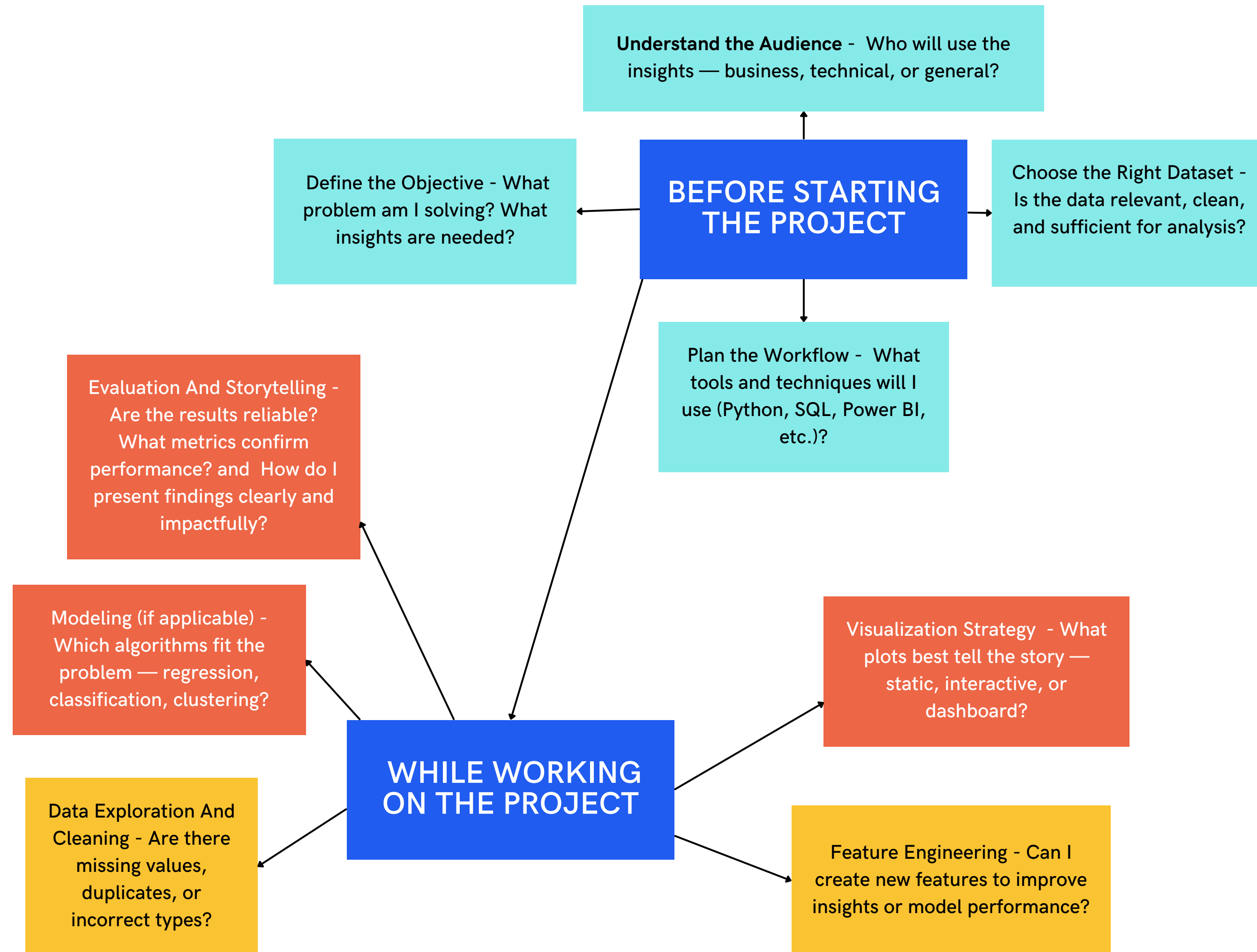
I use Kaggle to discover diverse datasets, experiment with data analysis techniques, and publish notebooks that showcase my insights and storytelling skills. It's a great platform for learning and sharing with the data science community.

On GitHub, I manage my codebase, track project versions, and organize my analysis workflows. It serves as a central hub for sharing polished projects, collaborating, and demonstrating my technical growth.

[Click Here](#)



My Mind Map Of How I Think Before And During The Project

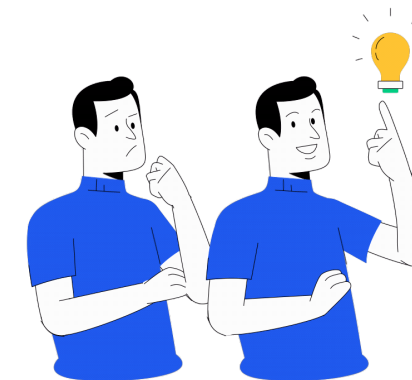
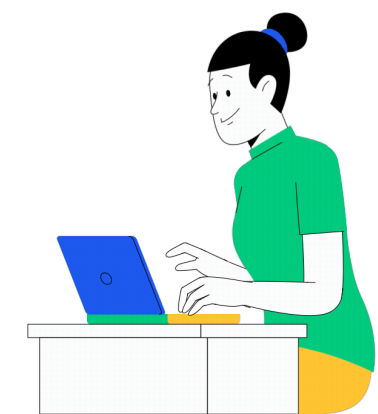
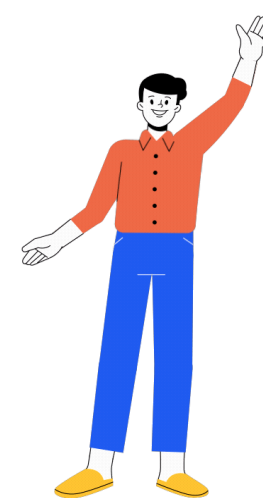
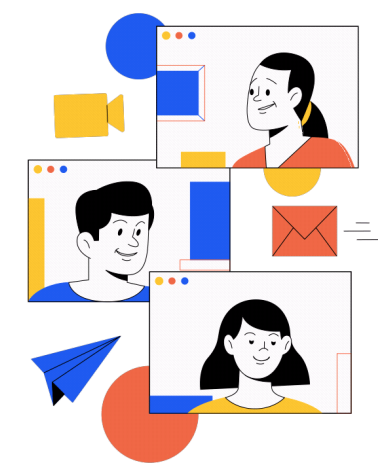
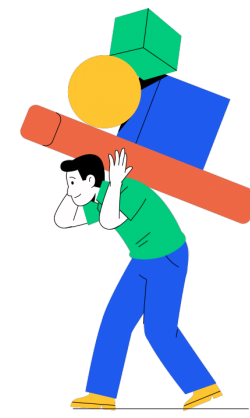
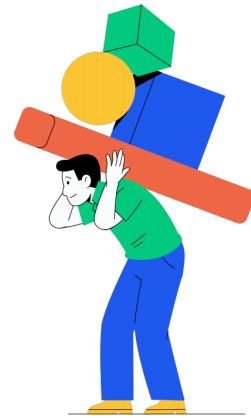


want to see more ?

LinkedIn Profile

Interested in my journey as a
data analyst?

Click On The [LinkedIn Profile](#)
Button To See My Profile.



GOODBYE & TAKE CARE

Thank you for exploring my data analysis portfolio. The project I Created reflects my passion for turning raw data into meaningful insights through thoughtful exploration, clean code, and compelling visualizations.

I'm continuously learning, experimenting, and refining my skills — whether it's through Python, SQL, Power BI, Tableau, or generative AI tools. My goal is to solve real-world problems and tell stories that drive smarter decisions.

If you're interested in collaborating, have feedback, or just want to connect, I'd love to hear from you!

Let's Connect

- Email: your- mdsahilislam57@gmail.com
- GitHub: <https://github.com/sahil007707>
- Kaggle: <https://www.kaggle.com/sahilislam007>
- LinkedIn: <https://www.linkedin.com/in/md-sahil-islam-335789357/>

