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# SUKRITI GUIN

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## Education

### Netaji Subhash Engineering College

September 2020 – June 2024

*Bachelor of Technology in Electronics and Communication Engineering*

*Kolkata, West Bengal*

- Maulana Abul Kalam Azad University of Technology, West Bengal
- CGPA: 8.97/10 (till 6th sem)

### Nirol High School

March 2020

*Higher Secondary and Secondary*

*Nirol, West Bengal*

- Higher Secondary (2020): 92.00%
- Secondary (2018): 89.71%

## Skills

**Programming Languages:** Python, C, C++  
**Database:** DBMS, SQL  
**BI Tool:** PowerBI  
**Python Libraries:** Numpy, Pandas, Matplotlib, Seaborn, Streamlit  
**Others:** Data Structures and Algorithms, Git & Github

## Projects

### Movie Recommendation Application | Python, Web Scraping, Machine Learning   November 2022 - January 2023

- Developed movie recommendation application using **Streamlit**, **Python** and **50k movie dataset**.
- Built machine learning model with **logistic regression** and **bag of words** for movie review **sentiment analysis** (**Accuracy : 89.72%**) and another model with **cosine similarity** for **recommendation system**.
- Developed a movie application that incorporated movie details from the **TMDB API** and implemented a user-friendly **filter page** for movie search using **web scraping** in **BeautifulSoup** and **Selenium**.

### Digital Board | Python, Tkinter

September 2023

- Created a Python application for **digital sketching**, **drawing**, and **note-taking**.
- Implemented versatile **drawing tools**, **color customization**, **image pasting**, and **text customization** to enhance user creativity and functionality.
- Enabled users to export their **work as PDF files** for easy sharing and storage.

### Whatsapp Group Chat Analyzer | Python, Dash, Pandas, Plotly

May 2023

- Proficiently utilized **Pandas** and **Regular Expressions (RegX)** to extract and manipulate data from exported chat files, effectively separating date, time, user, and message information.
- Demonstrated strong **data visualization** by creating **dynamic Plotly visualizations**, such as **bar charts**, **line charts**, **scatter plots**, **pie charts**, and **bubble charts**, to provide clear insights and analysis of the chat data.
- Performed **word frequency analysis** with **word cloud**, created a **heatmap** to visualize hour and weekday correlations with message count, and developed a **sunburst graph** to display user message distribution by year, month, and weekday for enhanced comprehension of group chat dynamics.

## Achievements

### TCS CodeVita Season 10

May 2022

- Achieved notable rankings in TCS CodeVita Season 10: secured 455th place in Round 2, 2800th place in Round 1 out of 150k participants, and attained college rank 2 in Round 2.

## Interests

- **Coding:** Passionate about solving complex problems and learning efficient algorithms.
- **Teaching:** Enjoy sharing knowledge, mentoring others, and contributing to the learning community.