

Sukriti Guin

As an ECE undergraduate with a strong foundation in Data Structures and Algorithms, I am highly motivated to apply my skills to a software-related role in the industry. With experience in Python, SQL, and other relevant programming languages, I am eager to utilize my knowledge to solve real-world problems. I am a quick learner, detail-oriented, and dedicated to producing high-quality work, making me a valuable addition to any software-related team.



CONTACT



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west Bengal, India

PROFILES



Leetcode

GFG



linkedin.com/in/sukriti-guin



github.com/sukritiguin

SKILLS

C

C++

Python

NumPy

Pandas

Matplotlib

Seaborn

OOPs

Scikit Learn

DBMS + SQL

Git

Data Structures and Algorithms

Basic Machine Learning

Excel

PowerBI

Streamlit

LANGUAGES

English

Intermediate

Bengali

Native or Bilingual Proficiency

Hindi

Intermediate

INTERESTS

Teaching

Coding

EDUCATION

Netaji Subhash Engineering College

2020-2024

Kolkata, West Bengal, India

SGPA: 9.06 (till 5th sem)

Bachelor of Technology in **Electronics and Communication Engineering**

Nirol High School(H.S)

2018,2020

Nirol, West Bengal, India

Secondary: 90%, Higher Secondary: 92%

PROJECTS

Movie Recommendation Application with Streamlit in Python

11/2022 - 01/2023

Cosine Similarity Algorithm, Logistic Regression Algorithm, Web Scraping

- 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 : 75%)** and another model with **cosine similarity** for **recommendation system**.
- Incorporated **movie details** such as tagline, genres, rating, votes, trailer, description, and duration into the application
- Designed **user-friendly filter page** for **movie search**, including options for genres, date ranges, language, and country
- Demonstrated proficiency in **machine learning**, **web scraping**, and **data analysis** with **Python**.

Automated Library Management System with Streamlit in Python

04/2023 - 04/2023

Python, Streamlit, PostgreSQL, Psycopy

- Developed a Library Management System using **Python**, **Streamlit** and **PostgreSQL** with features for **user login**, **QR code scanning**, and **book transactions**.
- Designed a user-friendly interface for librarians to efficiently **manage user data and book transactions**.
- Implemented a **Library Card system with QR** codes to enable easy access and account management for students and faculty, including checking borrowing history and fine status.

WhatsApp Group-Chat Analysis with Dash in Python

03/2023 - 04/2023

Pandas, Dash, Plotly

- Used **Pandas** to manipulate chat data from an exported chat file, including separating date, time, user, and message information.
- Created **dynamic Plotly visualizations** included **bar charts**, **line charts**, **scatter plots**, **pie charts**, and **bubble charts**.
- Built interactive web-based visualizations using **Dash**.
- Implemented a wide range of advanced data analysis techniques such as **sentiment analysis** and **word frequency analysis**, including generating a **word cloud** to show the most frequently used words in the chat.
- Achieved a deeper understanding of **group chat dynamics** by using the analysis to create a **sunburst graph** showing the number of messages sent by each user by year, month, and weekday.

ACHIEVEMENTS

- Achieved top ranks in **TCS CodeVita Season 10, 2022**, ranking **455th out of 150k** participants in **Round 2** and **2800th** in **Round 1**, showcasing **strong coding skills** and **problem-solving abilities**.
- Demonstrated excellence in **algorithmic programming** and **logical reasoning**, securing **college rank 2** in **TCS CodeVita Season 10, 2022 Round 2**.