

# SUSHIL SHARMA

## Skills

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- SQL ( MySQL)
- Python (Pandas, NumPy, SciPy, Matplotlib and some machine learning algorithms)
- Tableau
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Microsoft Power BI
- C
- C++
- DSA
- Web Scraping

## Projects

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### DROWSINESS DETECTION SYSTEM – Minor Project

- Utilized **Python** along with other tools like **OpenCV** to analyze user's condition to detect drowsiness.
- Used the condition of user to provide alert if user is seen in drowsy state.
- Used other different tools like **pandas**, **matplotlib**, **numpy** and **seaborn** to compile a professional report

### TWITTER SENTIMENT ANALYSIS – Personal Project

- Utilized **Python** to perform sentiment analysis on tweeter reviews
- Performed data cleaning and text analysis to successfully identify major keywords used by individuals
- Applied random forest algorithm to produce a final model with an accuracy of 82%

### MOVIE RECOMMENDATION SYSTEM– Personal Project

- Used **Jupyter Notebook** to analyze data used from kaggale.
- Performed modification on data using techniques like **Vectorization**.
- Measured similarity between data points using **cosine similarity** to display recommendation.
- Frontend of the model was made using **Streamlit**.

### CUSTOMER SALES ANALYSIS – Personal Project

- Utilized **SQL** to extract data from 8 different related tables from customer sales databases using **JOIN** and **VIEW**
- Transformed and filtered data by using aggregating and filtering function to improve reporting process.
- Loaded and visualized data with **Python** to identify key business intelligences that can improve sales performance

### NETFLIX DATA ANALYSIS DASHBOARD –Personal project

- Created a dashboard with **Power Bi** to help client compare between different employee benefit packages
- Utilized different techniques to ensure clear representation of data including data cleaning process.
- Use of **DAX** and **Excel** to create necessary representable dashboard

### YOUTUBE DATA SCRAPER –Personal project

- Developed a Python-based tool utilizing **YouTube Data API** to extract information from specified channels.
- Utilized **Pandas library** to structure API responses into a data frame for easy analysis.
- Extracted video details such as titles, total views, and likes for the specified channel.
- Ensured the scraped data was **organized**, **cleaned**, and **formatted** for further analysis or visualization

## Education

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**CURRENTLY STUDYING BACHELOR OF COMPUTER ENGINEERING**  
KHWOPA COLLEGE OF ENGINEERING (LIBALI, BHAKTAPUR)

**(2019-PRESENT)**