AWANTIKA SRIVASTAVA

+91-8920482037 |sawantika81@gmail.com| LINKEDIN |Github

KEY SKILLS

- **Languages**: Python, C,C++
- **Statistical Model**: Descriptive stats, Sampling, Probability, Hypothesis Testing, Normal Distribution
- **Machine Learning**: Regressions, Tree Based Algorithms, KNN, Clustering, SVM, RF, Tensorflowlite
- **Deep Learning**: Neural Network, CNN, RNN, Computer Vision, Image & Text Classification, NLP
- **Frameworks**: Tensorflow,GTK
- **Databases**: MySQL, SQL Server, MongoDB
- **Tools**: Git, PowerBI, Tableau
- **IDEs**: VS Code, Jupyter Notebook, Kaggle Notebook,Codeblocks

EXPERIENCE

Data Analyst| PT Communication System Pvt. Ltd. **January 2024-Present**

Project: - Real-Time Monitoring System for Locomotive Pilots

Tools: Python, Pandas, NumPy, Matplotlib, Seaborn, Roboflow

- Collected **30,000**+ raw images across six behavior categories and performed **manual annotation** using **Roboflow** for accurate labeling.
- Conducted **Exploratory Data Analysis (EDA)** to study class distribution, image quality, and annotation consistency using visualization tools.
- Performed data **cleaning, augmentation, and preprocessing** to improve dataset balance and ensure high-quality model input.
- Generated **data-driven insights** that guided dataset refinement and improved overall model readiness.

Project: - Shared Memory- Based TFT Display for Public Information Systems

Tools: C programming, GTK Framework, Embedded Linux, Inter Process Communication, Verdin Module

- The system is designed to display real-time travel information, **including videos, images, and text ensuring** seamless communication with passengers.
- The implementation utilizes the **GTK framework** for the graphical user interface and run on **verdin module**.

Project: - Journey Creation Tool

Tools: Python programming, TKinter, SQL database

- **Developed** a Python-based tool that **creates** journeys for the **Train Information Management System** based on user input, which will be used in the **PIS system**, enhancing the passenger's **real-time journey** information experience by **80-90%.**
- **Store** all journeys and information in **SQLlite** in table format. And join Relevant table to **interconnect the data.**

PERSONAL PROJECTS

Project: -Amazon Stock Price Prediction

Tools: Python, Pandas, NumPy, Matplotlib, Seaborn, Plotly

- Collected and analyzed Amazon stock data (CSV format), performed **data cleaning, preprocessing**, and **handling** of missing values for accurate trend analysis.
- Created multiple **data visualizations** and candlestick charts to identify historical patterns and insights supporting stock movement prediction.

Project: -E-Prescription System

Tools: Python, TKinter, SQL

- Built an **auto-suggest** search that fetches medicines by first letter of name or **disease.**
- Implemented a **one-click prescription builder** with usage and dosage details.
- Added a **medicine management module** for adding new medicines via popup

EDUCATION

IMS Engineering College, Ghaziabad **September - 2020**

Bachelor of Technology (Electrical and electronics engineering)