

SANKESH LAL

AI & Data Science Enthusiast | Skilled in Python & Machine Learning | Aspiring Data Scientist

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Projects

MOVIE BLOCKBUSTER PREDICTION

Mar 2026

SMIT (Saylani Mass IT Training): A tech initiative dedicated to combating poverty and empowering students through IT skills and training.

Fellow:

- Built a Machine Learning project using the TMDb movies dataset to analyze movie trends and predict movie success. Performed data cleaning, exploratory data analysis (EDA), feature engineering and machine learning. Implemented models like Linear Regression and Random Forest to predict revenue, movie ratings and blockbuster classification. Also applied NLP (TF-IDF) for movie overview analysis and KMeans clustering for movie grouping. Created a Streamlit web app to predict whether a movie will be a blockbuster or not.

[Project Link](#)

LAPTOP PRICE PREDICTOR

Mar 2026

SMIT (Saylani Mass IT Training): A tech initiative dedicated to combating poverty and empowering students through IT skills and training.

Fellow:

- Developed a machine learning project to predict laptop prices based on different features such as brand, RAM, processor, storage, GPU, screen size and operating system. Performed data cleaning, feature engineering and exploratory data analysis using Python libraries like Pandas, NumPy, Matplotlib and Seaborn. Trained and compared multiple regression models including Linear Regression, Random Forest, Gradient Boosting and XGBoost. Finally built an interactive web app using Streamlit that allows users to enter laptop specifications and get an estimated price prediction.

[Project Link](#)

EMAIL/SMS SPAM CLASSIFICATION

Feb 2026

SMIT (Saylani Mass IT Training): A tech initiative dedicated to combating poverty and empowering students through IT skills and training.

Fellow:

- Built a system to classify Email/SMS messages as Spam or Not Spam. Used a dataset of messages for Spam Detection. Cleaned and preprocessed text with tokenization, stopword removal and stemming. Converted text into numbers using TF-IDF Vectorizer. Trained Naive Bayes, Logistic Regression, SVM, Random Forest and XGBoost. Achieved high precision with Multinomial Naive Bayes. Deployed a Streamlit app for real-time spam detection.

[Project Link](#)

MOVIE REVIEW SENTIMENT ANALYSIS

Jan 2026

SMIT (Saylani Mass IT Training): A tech initiative dedicated to combating poverty and empowering students through IT skills and training.

Fellow:

- Built a system to predict if a movie review is Positive or Negative. Used 50,000 IMDb reviews from Kaggle. Converted text into numbers with TF-IDF Vectorizer. Trained Logistic Regression, Naive Bayes, SVM and Random Forest. Evaluated models with Accuracy and Confusion Matrix. Created a Streamlit app for real-time predictions.

[Project Link](#)

Certifications

DIT (Diploma in Information Technology)

March 2020

- Successfully completed a one-year Diploma in Information Technology (D.I.T) from SAKI Institute of Science & Technology Sukkur, under Sorath Memon Jamat. Trained in ICT, MS Office (Word, Excel, PowerPoint), Operating Systems, Web Design & Development (HTML/CSS) and Networking. Built a strong foundation in IT skills and digital applications. Achieved an "A" grade in the final assessment.

Education

Shah Abdul Latif University
Bachelors of Computer Science

Khairpur, Pakistan
Jan 2020 - Dec 2023

- Completed courses in Introduction to Computing, Programming Fundamentals, Fundamentals of Information Technology, Computer Communications and Networks etc.

Additional

Technical Skills:

- **Programming:** Python
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, Streamlit
- **Tools:** Jupyter Notebook, Colab Notebook, VS Code, Git & GitHub and Streamlit Cloud
- **Concepts:** Machine Learning, Data Analysis, Data Visualization, Statistical Analysis

Interests:

- Participating in or leading open-source AI or machine learning projects.
- Learning Deep Learning and Generative AI also.

Soft Skills:

- Problem-solving, Collaboration, Creativity, Time-management, Adaptability and Communication.