# SATKAR SARVANKAR

**Margao, Goa**

+91-9307175826 • satkarsarvankar400@gmail.com • https://satkar-sarvankar.netlify.app/ • https://www.linkedin.com/in/satkar-sarvankar/

## PROFILE SUMMARY

Aspiring Data Scientist skilled in Machine Learning, Deep Learning, and Data Analytics. Proficient in Python, TensorFlow, Scikit-learn, and SQL, with expertise in model building, data preprocessing, and deployment. Passionate about leveraging data-driven solutions to solve real-world problems.

## RELEVANT COURSEWORK

- Data Preprocessing
- Mathematics & Statistics
- Data Visualization
- Feature Engineering
- Model Deployment
- Exploratory Data Analysis
- MLOps Basics
- ML & DL Models

## PROJECTS

**Anime Recommendation System (Content-Based Filtering)**

- Designed and implemented a content-based recommendation system to suggest anime based on user preferences.
- Utilized Natural Language Processing (NLP) and Machine Learning to analyze anime descriptions, genres, and themes.
- Applied TF-IDF vectorization and Cosine Similarity to measure content similarity and identify relevant anime.
- Technologies used: Python, Scikit-learn, Pandas & NLTK for data processing and model

**Stock Price Prediction using LSTM**

- Developed a stock price prediction model using historical stock data and machine learning algorithms.
- Preprocessed and analyzed data such as stock prices, trading volumes, and market indicators to identify trends.
- Applied LSTM (Long Short-Term Memory) for time-series forecasting, Linear Regression, and Random Forest for comparison.
- Performed feature engineering to enhance predictive performance and used RMSE to evaluate model accuracy.
- Technologies used: Python, Pandas, NumPy, TensorFlow, Keras, Scikit-learn, Matplotlib, Seaborn.

**Low-code/No-code AutoML Tool**

- Developed an end-to-end automated ML app for classification tasks, streamlining the entire machine learning pipeline.
- Handles data preprocessing such as missing value imputation, feature scaling, and data splitting.
- Supports multiple classification models (e.g., Logistic Regression, Decision Trees, Random Forest) and allows users to train models without coding.
- Provides evaluation metrics (accuracy) to assess model performance.
- Enables users to download the trained model for deployment and integration into production environments.
- Designed to reduce manual effort, increase efficiency, and accelerate model development.
- Technologies used: Python, Scikit-learn, Pandas, Streamlit for app development.

## EXPERIENCE

**IT Support Specialist** **Jan 2024 - Current**

- Collaborated with stakeholders to comprehend their needs and collect detailed business requirements.
- Assisted with the implementation of new systems or enhancements to existing systems.
- Collaborated with IT teams to design technology solutions that meet business requirements.
- Developing test plans and test cases to validate that the implemented solutions meet business requirements.
- Assisted in project planning, scheduling, and tracking.

## TECHNICAL SKILLS

- **Programming & Libraries:**
  Python, Scikit-learn, TensorFlow, Keras, Pandas, NumPy
- **Machine Learning & Deep Learning:**
  Supervised/Unsupervised Learning, LSTM, Neural Networks
- **Data Processing & NLP:**
  Feature Engineering, Imputation, Scaling, TF-IDF, Cosine Similarity
- **Deployment & Visualization:**
  Streamlit, Matplotlib, Seaborn

## EDUCATION

- **Bachelor of Engineering** **June 2019 - Sept 2023**
  Goa College of Engineering, Farmagudi
  (MECHANICAL)
- **Higher Secondary** **June 2017 - May 2019**
  Jawahar Navodaya Vidyalaya, Canacona
  CGPA : 84.2% ( PCM + CS )

## EXTRACURRICULAR / CERTIFICATES

| | | |
|---|---|---|
| • **Data Science and Machine Learning** | Udemy | April 2023 |
| • **Statistics for Computer Science** | Udemy | April 2023 |
| • **Deep Learning** | Kaggle | August 2023 |