SEELAM DIVYA KUMARI

Address: Madhura Nagar, Hyderabad,500038 | **Mobile no :** 9502566698 |

Email : divyakumari.seelam@gmail.com
LinkedIn: www.linkedin.com/in/seelam-divya
Github: https://github.com/seelamdivya23

PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented fresher with a strong foundation in **Python, Machine Learning, Data Science, and Data Analysis**. Skilled in analyzing datasets, identifying patterns, and generating actionable insights using tools like **NumPy, Pandas, Matplotlib, Seaborn, and SQL**. Experienced in building and evaluating machine learning models, applying data preprocessing techniques, and creating clear visualizations to support decision-making. Adept at problem-solving, eager to learn new technologies, and passionate about applying data-driven approaches to real-world challenges. Seeking an entry-level opportunity to contribute analytical and technical skills to a dynamic organization while continuing to grow as a data professional.

ACADEMIC QUALIFICATION

Master of computer applications (MCA) **2022-2024**

University pg college,ou,secunderabad

GPA:8.59

Bachelor Of Science (MPCS) **2019-2022**

Hindu Degree College for women,Hyderabad

GPA:9.23

TECHNICAL SKILLS

- **Programming & Tools:** Python, Jupyter, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
- **Machine Learning**: Regression, Decision Trees, Random Forest, SVM, KNN, Naïve Bayes, XGBoost, AdaBoost, Lasso/Ridge, Model Tuning & Evaluation (AUC, ROC, RMSE, CV)
- **Deep Learning**: ANN, CNN, RNN (LSTM, GRU) with TensorFlow; basics of Generative AI (diffusion, prompt-based learning)
- **Statistics & Math**: Hypothesis Testing, Probability, ANOVA, Chi-Square, t/z-Tests, Linear Algebra
- **NLP:** Text Preprocessing (Tokenization, Lemmatization, POS), Vectorization (BoW, TF-IDF, Word2Vec) using NLTK
- **Databases:** SQL (queries, DBMS principles, schema design)
- **DevOps & Collaboration:** Docker, Git,Github

PROJECT WORKS

1.Diabetes Detector Web App

Machine Learning | Flask | Scikit-learn | Pandas | SMOTE | HTML

- Developed a web-based ML app for diabetes prediction using the PIMA dataset.
- Designed an end-to-end modular pipeline (data ingestion, preprocessing with PowerTransformer, outlier removal, SMOTE, model training, prediction).
- Trained and evaluated multiple classifiers, selecting the best-performing model.
- Integrated Flask for real-time user input and prediction (Diabetic/Non-Diabetic).
- Applied GridSearchCV for hyperparameter tuning and deployed the final model with joblib.
  Project link : https://github.com/seelamdivya23/Diabetes-Detector.git

2.Analysis Of Women Safety In Indian Cities Using Ml On Tweets

Natural Language Processing | Python | Scikit-learn | Pandas | NLTK | Flask | Matplotlib | Seaborn

- Collected and processed tweets related to women's safety in Indian cities using Python and Pandas.
- Applied NLP techniques (tokenization, stopword removal, punctuation removal) to clean and normalize text data.
- Performed sentiment analysis using **TextBlob polarity scores**, classifying tweets into **positive, negative, and neutral** categories.
- Designed a **Tkinter-based GUI application** to upload datasets, clean tweets, run sentiment analysis, and display results.
- Visualized sentiment distribution with **Matplotlib pie charts**, highlighting public opinion and safety concerns.

Project link : https://github.com/seelamdivya23/Women-saftey-analysis-tweets.git

3.Dog vs Cat Image Classifier

Deep Learning | Python | TensorFlow/Keras | VGG16 | Flask

- Built a CNN-based deep learning model using **VGG16 transfer learning** to classify dog and cat images.
- Trained and fine-tuned the model with custom layers (Flatten, Dense, Dropout, GlobalAveragePooling2D).
- Achieved **~90% accuracy** on validation data.
- Integrated a Flask web app for real-time image upload and prediction (Dog/Cat).
- Deployed the trained model for user-friendly interaction and results visualization.

Project link : https://github.com/seelamdivya23/Cats_vs_dogs_classification.git

CERTIFICATIONS

- **Microsoft office** by(GCS Institute of computer technologies)
- **Data Visualization** Certified by Forage(TATA GROUP)
- Six Weak Online training on **Programming With Python** from INTERNSHALA
- Introduction to Generative AI by Simplilearn
- Completed Training on Data Science From NEXT IT CAREER Software Training Institute

ACHIVEMENTS

- Actively Participated in Science Fair Competitions
- Secure 1st Position In School in SSC Examination
- Awarded in Inter College For a Sports Kho-Kho game and Best Runner
- Awarded As a Best CR in Graduation

PERSONAL DETAILS

Languages Known: English, Hindi, Telugu

DOB: 23/08/2001

Hobbies:Cooking and Dancing