SATHVIK MASAMPELLY

Data Science

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CAREER SUMMARY:

Aspiring Data Scientist with hands-on experience in data analysis, machine learning, and visualization. Eager to contribute to real-world data problems and drive insights that support business decisions.

INTERNSHIPS

AI/ML Virtual Internship   JAN 2024 – MAR 2024
AICTE & Eduskills
- Completed a government-recognized virtual internship focused on Artificial Intelligence and Machine Learning.
- Gained practical exposure to Python, supervised/unsupervised learning, and real-world use cases of AI.
- Worked on hands-on assignments involving model training, evaluation, and deployment basics..

Data Analytics   SEP 2024 – OCT 2024
Infosys Foundation – Finishing School Program, ICT Academy
- Completed a certified training program focused on foundational and practical concepts in Data Analytics.
- Learned key skills including data preprocessing, statistical analysis, and data visualization techniques.
- Gained exposure to tools and techniques relevant for employability in data-driven roles.

AI: Transformative Learning – Tech Saksham   FEB 2025 – MAR 2025
- Virtual Internship
- Completed an AI-focused internship covering core concepts, real-world projects, and ethical AI practices through hands-on learning and mentorship.

RELEVANT PROJECTS

Prediction of Animal Vocal Emotion using CNN
Python, Deep Learning, CNN, Audio Processing
- Developed a Convolutional Neural Network (CNN)-based model to classify animal emotions from vocal audio signals.
- Preprocessed animal sound datasets using MFCC (Mel-Frequency Cepstral Coefficients) and spectrograms for training.
- Achieved accurate emotion classification by fine-tuning CNN layers on labeled vocal datasets.

Communication Feedback using Python and Machine Learning
Python, Sklearn, Flask, ML Models
- Built a system to analyze communication or presentation performance based on user-input feedback.
- Used sentiment analysis and classification models to generate performance insights.
- Deployed the model using Flask for a web-based interactive feedback platform.

Rainfall Analysis Dashboard – Power BI
Created an interactive dashboard to visualize regional and seasonal rainfall trends using Power BI.
Used Power Query and DAX for data cleaning and custom calculations.

EDUCATION:

Bachelor of Technology in Computer Science(AI&ML)   **Sep 2021 - May 2025**
Vaagdevi College of Engineering,Warangal
CGPA : 9.0

CERTIFCATIONS

- **Python fundamentals**   : Infosys Springboard
- **Python Basics**   : By Hackerank
- **AI&ML Virtual Interrnship** : By AICTE Eduskills
- **Swecha**   : Summer of AI Internship Program
- **Infosys**   : Certificate Course on Data Analytics

SKILLS:

- **Languages:** Python,Java
- **Technologies :** AI,Machine learning ,Deep Learning,NLP,Reinforcement learning.
- **Libraries/Tools**: ,Pandas, NumPy, Matplotlib,Scikit-learn, Power BI, TensorFlow (basic), Jupyter
- **Databases:** MySQL, SQLite
- **Others**: Git, Excel, Tableau (basic), REST APIs