Mulakala Nikita

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SKILLS

Languages: Python, C++, C, HTML, CSS, Machine Learning
Libraries: Matplotlib, Pandas, NumPy, Scikit-learn
Tools/Platforms: MySQL, Linux, Git hub
Soft Skills: Leadership Skills, Time Management, Critical Thinking, Adaptability

INTERNSHIP

Data Pro Empowering Skills. Feb' 24 – May' 24
Developer Intern: Machine Learning-Based Crop Price Prediction System Using Time-Series Forecasting

- Developed a **machine learning-based crop price prediction system** using historical data and **ARIMA models**, achieving **87% accuracy**.
- Processed and analyzed a **20-year dataset** through **exploratory data analysis (EDA)** to identify key trends and price influencers.
- Implemented **time-series forecasting techniques** to predict crop prices **up to 12 months in advance**, enhancing decision-making for stakeholders.
- Integrated an **interactive web interface** for **dynamic visualization** of price trends and predictions.

PROJECTS

Bank Management System | C++ (STL), OOPs, CRUD Operations, Data Structures Jun' 25

- Engineered a fully functional, menu-driven banking application in C++, implementing complete CRUD operations—Create, Read, Update, and Delete—for user accounts.
- Leveraged object-oriented programming principles to encapsulate business logic within a modular Bank class and a structured Account entity.
- Utilized STL containers and algorithms, including list and find_if, to dynamically manage customer records and enable efficient search and update operations.

Waste Management Solution| SQL Server, HTML, CSS, JavaScript Nov' 24

- Designed, executed, and optimized a robust database system to streamline waste management operations.
- Engineered a relational database schema to manage waste categories, collection schedules, and disposal sites.
- Integrated the database with a front-end and back-end application for real-time data entry and retrieval.
- Optimized SQL queries for faster processing while enforcing data integrity through constraints and validations.

Lung Cancer Prediction | Python, TensorFlow, Keras, EfficientNetB0, Matplotlib Feb' 24

- Developed a Lung Cancer Prediction Model using EfficientNetB0 for image classification with transfer learning.
- Applied data preprocessing and augmentation techniques, including resizing, normalization, and one-hot encoding for multi-class classification.
- Trained and validated the model on a custom dataset using TensorFlow and Keras, achieving efficient feature extraction and classification.

CERTIFICATES

Data Analytics Job Simulation (Deloitte) *Jul' 25*
Python (Hacker Rank) *Dec' 24*
Data Visualization (IBM) *Sep' 24*
Data Fundamentals (IBM) *Sep' 24*

ACHIEVEMENTS

National Art, Odisha: *Nov' 23*

1st Prize in Art by National Arts, Odisha – Recognized for outstanding creativity and artistic skills in a national-level competition

Programming Quiz: Oct' 23

*Secured **2nd place** in a **Python Programming Quiz**, demonstrating strong problem-solving and coding skills.*

EDUCATION

Lovely Professional University Punjab, India
Master of Computer Applications Artificial Intelligence and Machine Learning ***CGPA:8.2*** Aug' 24 – Jun' 26
Andhra University Andhra Pradesh
Bachelor of Computer Science ***CGPA: 8.14*** Aug' 21 – May' 24
Sri Prakash Vidhya Niketan Andhra Pradesh
Math's, Physics, Chemistry **Percentage:72.60** 2019-2021