CH. Revanth

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BTech Computer Science student at Malla Reddy University with good academic record and keen interest and practical exposure in the field of Artificial Intelligence & Machine Learning.

Education

B-Tech, Artificial Intelligence and Machine Learning, Malla Reddy University, 2022-26
CGPA – 7.71

12th (Senior Secondary Examination), Yuvatarang junior college, 2022
State Board – 80.05%

10th (Secondary Examination), Krishnaveni Talent School, 2020
SSC Board - 100%

Skills

- Programming Languages: Python, SQL
- Libraries : Numpy, Pandas, matplotlib, Seaborn, Scikit-learn
- Cloud Platforms: AWS
- Web Technologies – HTML
- Tools/Platforms: GitHub, VS Code, AutoCAD, Excel, Word, PowerPoint

Academic Projects

- **python automation with excel Spreadsheets :** Developed a Python-based automation solution to streamline repetitive Excel tasks, improving efficiency and reducing manual errors. The project leveraged libraries such as **openpyxl**, **pandas**, and **xlrd/xlwt** to handle large datasets, perform data cleaning, and generate dynamic reports.

- **Machine learning with python : Music Genre Prediction Using Decision Tree Classifier :** Developed a machine learning model to predict music genres based on demographic features such as age and gender. Used a Decision Tree Classifier for model training, prediction, and visualization. Built a complete data pipeline including preprocessing, splitting data, training the model, evaluating accuracy, and exporting the trained decision tree. Visualized the decision tree using Graphviz for better interpretability. Achieved a strong accuracy score demonstrating the model's effectiveness in classification tasks.

- **Face Recognition Attendance System using Python** : Developed an automated attendance system that identifies individuals using real-time face recognition. Implemented face detection and encoding using the *face_recognition* library and optimized video frame processing with OpenCV. Built a matching algorithm to compare live camera feeds with stored encodings and automatically log attendance into CSV files with timestamps. Enhanced system reliability through accuracy tuning, handling unknown faces, and creating a user-friendly interface. This project demonstrates skills in computer vision, Python programming, and real-time automation.

- **Image Text to Normal Text Conversion** : Built an OCR-based system that extracts readable text from images using Python. Preprocessed input images with OpenCV techniques (grayscale, thresholding, noise removal) to improve recognition accuracy. Integrated Tesseract OCR to convert image text into editable, searchable digital text. Added support for multiple image formats, error handling, and automated text file generation. This project demonstrates skills in OCR, image processing, and automation using Python.

Certificates

- Coursera:
- Python Basics Selection and Iteration
- Python Data representations

Achievements

- Participated and Organized in technical and non-technical events conducted in the university campus
- Earning income as an independent Day Trader (from Sep 2025) by applying technical analysis , price action , risk management and disciplined trading strategy

Extra-curricular Activities

- Hobbies include photography, playing games, and watching movies
- I have participated in trading webinar