MUPPA SATHWIK REDDY

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CSE graduate specializing in AI & ML, proficient in Python, SQL, and machine learning frameworks. Certified in Azure AI, with practical experience in predictive modeling, natural language processing, and chatbot development. Passionate about building scalable, data-driven solutions and eager to apply technical and problem-solving skills in real-world industry projects.

SKILLS

Technical Skills : Python , SQL, Natural language processing, Machine learning, HTML, CSS

Soft Skills : Analytical skills , Team collaboration, Problem solving, Effective communication, Adaptability and Optimistic

Tools and Platforms: Microsoft tools, VS Code, Google Colab, Jupyter Notebook

EDUCATION

Gitam University, Hyderabad **2021 - 2025**
B.Tech, CSE - AIML, GPA : 7.97

Narayana junior college, Telangana **2019 - 2021**
Intermediate , Percentage : 94.6

Green Grove High School, Telangana **2019**
Secondary School Of Education, GPA : 9.8

EXPERIENCE

CR Technologies **Jun 2024 - Jul 2024**
Artificial Intelligence Intern

- Developed a live smart attendance system using machine learning (ML) to enhance efficiency and accuracy In attendance tracking.
- The system uses advanced ML Algorithms for face detection and recognition, integrating seamlessly with Existing infrastructure while ensuring robust security and compliance with privacy regulations

PROJECTS

IPL match winner prediction using machine learning

- Predicted IPL match outcomes using ML models on historical match data, player statistics, and team performance metrics
- Applied feature engineering, data preprocessing, and model optimization to improve predictive accuracy.
- Utilized Python, Pandas, Scikit-learn, and data visualization for model building and evaluation.

Live Smart Attendance System

- The Live Smart Attendance System uses Machine Learning (ML) and computer vision to automatically recognize and record attendance by identifying individuals based on pre-enrolled facial images.
- The applications used are the Haar Cascade Classifier for face detection and the LBPH algorithm for face recognition. The Haar Cascade detects faces, while the LBPH trains and recognizes them

Netflix recommendation system using Apriori algorithm and collaborative filtering

- Developed a hybrid recommendation system combining Apriori algorithm with collaborative filtering to improve movie recommendations.
- Analyzed the MovieLens dataset (100K ratings, 9K+ movies, 900+ users), extracting frequent itemsets and association rules for pattern discovery.
- Improved recommendation accuracy by 12% compared to baseline collaborative filtering.
- Implemented using Python, Pandas, Scikit-learn, and MLxtend.

CERTIFICATIONS

- Microsoft Azure AI Essentials (LinkedIn Learning), April 2025
- Python Programming (Coursera), May 2023

PORTFOLIO AND PROFILES

- **Portfolio :** https://sathwik1116.github.io/portfolio/
- **Linkedin :** www.linkedin.com/in/sathwik-muppa/

ACHIEVEMENTS & LEADERSHIP

- Member of YOUNGO (Youth Constituency of UNFCCC), contributing to global youth-led climate action and climate literacy initiatives.
- Coordinated a college-level cultural event, managing participants and ensuring smooth execution.
- Disha Club PR team member, GITAM (2022 - 2025)