



PEDASINGU SANJANA

Singarayakonda, Prakasam, Andhra Pradesh, India – 523101

+91-8500791730 | sanjanapedasingu@gmail.com

LinkedIn | GitHub | Portfolio

Career Objective

A highly motivated and detail-oriented Computer Science student with a strong foundation in software development and AI. Seeking an opportunity to apply technical, problem-solving, and leadership skills in building innovative solutions that contribute to team success and business value.

Skills

Core Skills

- **Languages:** Python, C
- **Web Technologies:** HTML, CSS, JavaScript
- **Frameworks/Tools:** VS Code, GitHub
- **Databases:** SQL
- **Packages:** MS-Office
- **Operating Systems:** Windows

Soft Skills

- Problem Solving, Communication, Time Management, Leadership

Education

B.Tech in Computer Science and Engineering

Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru
Expected Graduation: 2026

CGPA: 8.86

Projects

Predicting AI Tool Usage Patterns

SQL Server, Orange Data Mining, Data Mining, OLAP

Developed a data mining and OLAP-based analytical system to predict AI tool usage patterns using survey data. Designed Star, Snowflake, and Fact Constellation schemas in SQL Server for multi-dimensional analysis, performed OLAP operations (roll-up, drill-down, slice, dice, pivot), and applied classification models in Orange Data Mining Tool. Achieved highest accuracy (78.4%) using Random Forest, enabling actionable insights into AI tool adoption trends.

AQI Prediction Model

Python, Pandas, NumPy, scikit-learn, Joblib

Built a Random Forest Classifier to predict air quality status from country & AQI values. Implemented label encoding, evaluated performance, and saved model & encoders for deployment.

Certifications

- **Frontend Web Development** – Infosys
- **Program Essentials in Python** – Cisco

Achievements

- **Awarded Mentor Certification** by ELT Center, Seshadri Rao Gudlavalleru Engineering College (2023)
- **Reliance Foundation Scholar** – based on merit and academic excellence (2022)