Sudharshan Reddy Nagireddy

Kadapa, Andhra Pradesh | sudharshanreddy703@gmail.com | 9182538637 | Portfolio

LinkedIn | GitHub | LeetCode

Profile Summary

I am a passionate AI and data science engineer with strong skills in Python, machine learning, and deep learning. I enjoy solving complex problems using data structures, algorithms, and statistical modeling. Through academic projects and self-learning, I've built ML and NLP systems like text summarization, music recommendation, and forest fire prediction. I have hands-on experience creating end-to-end pipelines from preprocessing to deployment. I thrive in collaborative environments and aim to combine software engineering and AI to build impactful real-world solutions.

Education

- Bachelor of Technology in Computer Science and Engineering with AI and DS — Vadodara, Gujarat
  Parul University — Expected Graduation: 2026
  CGPA: 8.36
- **Relevant Coursework:** Data Structures and Algorithms in Python (Intermediate), Database Management System, Operating Systems, Computer Networks.

Technical Skills

Programming Languages: Java, Python
AI/ML Technologies: ML, DP, NLP, Generative AI(Basic), Data Analsis
Backend Technologies: HTML, CSS, JavaScript, Flask, RESTful APIs
Web Technologies: React.js, Tailwind, Node.js.
Database Technologies: MySQL, MongoDB (Fundamental), SQL.

Soft Skills

Communication, Team Collaboration, Problem Solving, Time Management, Adaptability.

Projects

Text Summarization using PEGASUS Transformer   Project | GitHub

- Built an NLP text summarization system using the PEGASUS Transformer model with a full pipeline for preprocessing,training, and evaluation.
- **Tools Used:** Python,ML,HuggingFace,NumPy, Pandas

Music Recommendation system   Project | GitHub

- Built a content-based music recommendation system using TF-IDF and cosine similarity to suggest songs based on lyrical similarity.
- **Tools Used:** Python,Flask,Pandas,NumPy,HTML, CSS, JavaScript

Test Forest Fire MLProject   Project | GitHub

- a machine-learning model to predict forest fire risk using environmental and weather data.
- **Tools Used:** Python,Scikit-learn,Pandas

Certifications

- **Oracle Certificated Professional For Generative AI -**Oracle
- **Oracle Certificated Professional For Data Science -**Oracle
- **Oracle Certificated Professional For Analytics -**Oracle