GUBBALA SATYA SAI NAGA SIVA MANIKANTA

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OBJECTIVE

Recent B.Tech graduate with a strong interest in Data Science and AI. Looking to work on real-world projects that use machine learning and data analysis to solve business problems. Eager to learn, contribute to a collaborative team, and build practical solutions with modern tools.

EDUCATION

- **National Institute of Technology, Andhra Pradesh** 2020 – 2024
  B.Tech in Electrical and Electronics Engineering *CGPA: 7.17/10*
- **Sri Chaitanya Junior College** 2018 – 2020
  Higher Secondary Education *CGPA: 5.86/10*
- **Sri Chaitanya School** 2017 – 2018
  Secondary Education *CGPA: 9.5/10*

SKILLS

Programming Languages: Python, SQL, Basic Java

Libraries & Tools: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Flask

Machine Learning: Data Preprocessing, Supervised Learning, Model Evaluation

Data Visualization: Power BI, Tableau, Excel Charts

Database Skills: MySQL, Basics of Oracle, PL/SQL (learning stage)

Cloud & Deployment: Google Cloud Platform (Basics), Git, Streamlit

Web Technologies: HTML, CSS (Flexbox)

Coursework: Data Structures and Algorithms, Machine Learning, DBMS, Intro to NLP

Soft Skills: Problem Solving, Quick Learner, Team Collaboration

EXPERIENCE

- **Data Science Intern – Prinston Smart Engineers** Jun 2023 – Jul 2023
  Bengaluru, India
  - Worked on Machine Learning projects using Python and scikit-learn.
  - Helped in cleaning data, training models, and testing predictions.
  - Contributed to discussions on improving model accuracy and reporting results.

PROJECTS

Brain Tumor Segmentation using U-Net Apr 2023

Built a segmentation model on MRI scans using U-Net architecture and BraTS-2020 dataset.

Processed medical image data using TensorFlow and converted it into TFRecords.

Deployed the model using Flask to provide a basic web interface for predictions.

Fault Detection in Microgrid (Best Paper Award) Apr 2024

Developed a Python-based system to detect low-impedance faults in inverter-interfaced distributed generators.

Analyzed Lissajous curve patterns and waveform data for fault identification.

Used similarity index techniques to improve fault detection and microgrid reliability.

AI-Based Resume Screener Sep 2025

Designed a simple ML tool that ranks resumes based on job descriptions using NLP techniques.

Used keyword matching and cosine similarity to score and filter resumes.

Built a Streamlit UI to upload resumes and visualize matching scores in real time.

CERTIFICATIONS

- Database Management System – NPTEL (IIT Kharagpur)
- Joy of Computing using Python – NPTEL
- Introduction to Python – Coding Ninjas
- Basic Python Programming – Udemy
- Introduction to C/C++ – Udemy