

# SWETHA MODALA

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## SUMMARY

Detail-oriented Data Analyst seeking an opportunity to apply strong skills in data collection, data cleaning, analysis, and reporting using Excel, SQL, and Python. Aiming to support data-driven decision-making, improve business performance, and contribute to organizational growth.

## EDUCATION

**Bachelor of Technology | Computer Science and Engineering** 2022 - 2026

Vignan Institute of Technology and Science | CGPA : 8.96/10 (present)

**Intermediate | MPC** 2020 - 2022

Gouthami Junior College | CGPA : 9.71/10

## SKILLS

- **Programming Languages:** Python
- **Data Analysis:** Pandas, NumPy
- **Data Visualization:** Matplotlib, Seaborn, Power BI, Tableau
- **Tools:** Microsoft Excel, Jupyter Notebook, Google Colab
- **Data Preparation:** Data Cleaning, Missing Value Treatment, Outlier Detection, Feature Engineering

## PROJECTS

### Health Risk Prediction Using Lifestyle Data

- Analyzed Kaggle lifestyle data by handling missing values, outliers, and feature reduction.
- Performed EDA using data visualizations to extract insights.
- Applied XGBoost and Random Forest models for health risk prediction.
- Evaluated and compared model performance using standard classification metrics.

### Real-Time Voice Translator

- Developed a Python-based real-time multilingual voice translation application leveraging Google Translate API, SpeechRecognition, gTTS, and NLP techniques.
- Implemented continuous voice capture and real-time STT/TTS, reducing manual intervention by 80% and enabling seamless multi-user communication.

## CERTIFICATES

- Generative AI Tools Workshop – NxtWave (2024)
- Python – GUVI (2024)
- TCS iON Career Edge – Young Professional – TCS iON (2023)

## STRENGTHS

- Quick learner
- Adaptable

## WEAKNESS

- Perfectionist
- Detail-oriented