

# GONE SWETHA

Hyderabad, Telangana

+91 86886 45961 | [swethagone017@gmail.com](mailto:swethagone017@gmail.com)

[[LinkedIn Profile – Gone Swetha](#)]

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## Education

### B.Tech 3rd year in Computer Science and Engineering (AI & ML)

KG Reddy College of Engineering, Hyderabad

2022 – 2026 | CGPA: 8.3

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## Professional Summary

A passionate and motivated B.Tech Computer Science (AI & ML) student with hands-on experience in Python programming, machine learning, and web development. Actively involved in academic projects, including **Heart Disease Prediction using ML** and **Intelligent Video Anomaly Detection**, with a strong focus on data preprocessing, model evaluation, and visualization. Looking forward to contributing to innovative, tech-driven teams and applying acquired skills to develop impactful real-world solutions.

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## Projects

### 1. Heart Disease Predictor (Machine Learning Project)

**Duration:** January 2024 – March 2024

**Technologies:** Python, Scikit-learn, Pandas, NumPy, Matplotlib

- Developed an ML model to predict heart disease risk with 88.52% accuracy.
- Performed data preprocessing and model evaluation(F1-score, ROC-AUC)

### 2. Smart Serve – AI-Powered Food Waste Management System

**Duration:** Nov 2024 – Jan 2025

**Technologies:** Python, Flask, Streamlit, TensorFlow, OpenCV, MongoDB, Pandas, NumPy, Scikit-learn

- Built an AI system to predict surplus food, automate donations, and track CO<sub>2</sub> savings.
- Delivered a Streamlit dashboard with expiry alerts and actionable insights.

### 3. Intelligent Video Anomaly Detection and Reporting System

**Duration:** March 2025 – May 2025

**Technologies:** Node.js, TypeScript, Python, Vite, TailwindCSS, OpenCV, YOLOv8, Pandas, XlsxWriter

- Built a full-stack web app to detect anomalies like low-light, occlusion, and object appearances in videos.
  - Used OpenCV and YOLOv8 for real-time object detection and CLAHE for frame enhancement.
  - Created structured Excel reports with timestamps, object types, and severity scores.
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## Technical Skills

### Programming Languages:

Python, HTML, CSS, Java (Basics)

### Tools & Frameworks:

Node.js, Vite, TailwindCSS, Flask, NumPy, Matplotlib, Seaborn, Scikit-learn, YOLOv8, OpenCV, Pandas, XlsxWriter

## Other Skills:

- Video/Image Processing
  - Machine Learning(Logistic Regression, KNN, Random Forest, SVM, Naive Bayes, XG Boost)
  - Data preprocessing & Evaluation
  - CLAHE Enhancement
  - Excel Automation
  - REST API Integration
  - Full-Stack Web Development
  - Git & Version Control
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## Certificates

1. Microsoft Office Essential Skills: Udemy (Jan 2023)
2. Programming for Everybody (Getting Started with Python): Coursera (May 2023)
3. SAWIT.AI Learnathon Program (Fundamentals of Generative AI): GUVI (Feb 2025)