

# GOWTHAM NUKALA

## PROFILE

I am an undergraduate student of Electronic's and Communication Engineering. I enjoy hobbies like watching movies, exploring new places, learning new things, and cricket. My goal is to find a job aligned with my interests, make a positive impact, and lead a fulfilling life with personal growth. I value open-mindedness and respect for others' perspectives.

## PROJECTS

- **Enhancing Parkinson's Disease Detection Accuracy Using Vocal Biomarkers**
  - Improved model precision by 20% in analyzing Parkinson's datasets, published in IRJET.
  - Analyzed 1M+ medical records, contributing to early detection and improved healthcare protocols.
- **Smart Attendance System Using Face Recognition**
  - Automated attendance tracking using Python and OpenCV, achieving 95% accuracy.
  - Reduced manual effort by 80% and improved administrative efficiency by 50%.
- **IoT-Based Moisture Control System for Plants**
  - Designed an autonomous irrigation system reducing water usage by 30%.
  - Ensured optimal soil hydration for 100+ plants using real-time sensor data.
- **Personal Portfolio Website**
  - Developed an interactive portfolio to showcase projects, increasing engagement by 30%.

## ACHIEVEMENTS

- Participated in presenting the real-time model for Moisture Controller System at V.R. Siddhartha Engineering College, V.R. Siddhartha Engineering college, Vijayawada, 2023
- Published research on Parkinson's Disease Detection in IRJET, 2024

## LANGUAGES SPOKEN

- English
- Telugu
- Hindi



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Portfolio Website

## SKILLS

- Python Programming Expertise
- MySQL
- JavaScript, HTML, CSS
- Git - Version Control Tool
- Visual Studio Code
- MS Excel

## EDUCATION

### Seshadri Rao Gudlavalleru Engineering College

CGPA 7.0

B.tech in Electronic's and Communication Engineering

### Sri Chaitanya Junior College

CGPA 8.3

Senior Secondary Education in MPC

### Sri Chaitanya School

CGPA 9.2

Schooling

## CERTIFICATIONS

- The Joy Of Computing Using Python - NPTEL
- Machine Learning and Deep Learning – Google Developer Program
- AWS Academy Graduate - AWS Academy Machine Learning Foundations