

Kancharla Madhava

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SKILLS

- **Languages:** C, C++, Python, SQL
- **Engineering Tools:** Cisco Packet Tracer, Proteus, Arduino IDE, AutoCAD, VMware
- **Domain Expertise:** Web Development, Database Management, Data Structures & Algorithms
- **Soft Skills:** Problem-Solving, Adaptability, Resilience

PROJECTS

LPG Gas Leakage Detection & Alarm System

- Designed and built an Arduino Uno-based system for detecting **LPG gas leakage**.
- Programmed the Arduino to monitor the gas sensor and identify leakage above a set threshold.
- Implemented **buzzer** and **LED alerts** to provide immediate audio and visual indication of leakage.
- Tested the system to verify sensor detection and alarm response under different conditions.

TIKI TOPPLE - WEB-BASED GAME

- CREATED A BROWSER-BASED TIKI TOPPLE GAME AS A TEAM PROJECT.
- CONTRIBUTED TO THE GAME DESIGN, INTERFACE, AND BASIC GAMEPLAY.
- USED HTML, CSS, AND JAVASCRIPT TO BUILD AND TEST THE GAME.
- PRESENTED THE PROJECT AND EXPLAINED ITS FEATURES AND WORKING.

TEACHING EXPERIENCE

- Taught basic Python concepts to school students during the summer.
- Explained topics using simple examples and practical exercises.
- Helped students write and understand basic Python programs.
- Improved my communication and presentation skills through teaching.

CERTIFICATION

Programming Fundamentals using Python (Parts 1 & 2) - Infosys Springboard

2025

Git & GitHub Fundamentals - GitHub

2026

Education

- **Lovely Professional University**
B. Tech in Computer Engineering, CGPA: 6.82
2025 - Ongoing
Phagwara, Punjab
- **Narayana Junior College**
Class XII (PCM), Percentage: 89.7%
2023 - 2025
Guntur, Andhra Pradesh
- **G.N.R Model School 2018 -**
Class X, Percentage: 88.8%
2023
Guntur, Andhra Pradesh