

ARUTLA SIRI CHANDANA

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EDUCATION

Gokaraju Rangaraju Institute of Engineering and Technology

2021-present

Bachelor of Technology in Computer Science and Engineering

C.G.P.A : 9.31

Relevant Course Work :

- Data Structures and Algorithms
- Web Development (HTML and CSS)
- Artificial Intelligence, Machine Learning Fundamentals
- Operating Systems
- Computer Networks
- Database Management System.

Narayana Junior College

2019-2021

Intermediate Education

Score : 976/1000

TECHNICAL SKILLS

Programming Languages : Java, C, Python(Basics), SQL

Web Technologies : HTML, CSS, JavaScript(Basics)

Developer Tools : Visual Studio Code

Database : MySQL

Concepts : Object Oriented Programming, Data Structures

Soft skills : Time management, Adaptability, Communication , Team Work

PROJECTS

Density Based Traffic Management Using IOT

- Implemented real-time traffic signal adjustment with IOT, using Arduino and IR sensors to count vehicles and optimize signal times based on vehicle density.

Real Time Smoke Surveillance In Public Arenas Using Deep Learning Concepts

- Promoted a smoke-free environment using real-time smoke surveillance with YOLOv4 and OpenCV.
- Implemented user registration, location preference, and email notification features.
- Triggered email alerts and alarm/buzzer when cigarette detection occurs.

Smart Emergency Response System(SERS)

- Developed a real-time system to guide ambulances using live traffic and hospital data.
- Reduced emergency response delays by calculating the fastest and safest routes.
- Implemented role-based access and instant alerts for coordination among hospitals, ambulances, and traffic police.

CERTIFICATIONS

- Java - Smart Coder Certification from Smart Interviews
- Data Science for Engineers - NPTEL (IIT Madras)
- Data Analytics with Python - NPTEL
- Operating System Basics - CISCO Networking Academy