



# NAGADHAKSHESH PALAKURTHI

## CONTACT

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## OBJECTIVE

Aspiring to be a part of an interactive organization which would offer a competitive and challenging work culture, where I can serve the organization by achieving its goals and thereby enhancing my professional skills.

## SKILLS

- C Programming
- Java (OOPS)
- Python
- Assembly Language Programming (ALP)
- Machine Learning

## ACTIVITIES

- Organizer,Industrial Visit,2023
- Class Representative,2020-2024
- Participation in team hackathons
- Participation in Drone workshop

## LANGUAGE

- ✓ English (Professional)
- ✓ Telugu (Native)
- ✓ Hindi (Native)

## ABOUT ME

Self-driven and knowledgeable electronics and communication engineering student with demonstrated experience in embedded systems, artificial intelligence and machine learning with decent knowledge of multiple programming languages, good problem- solving skills, and ability to perform well in a team.

## EDUCATION

- 📍 **Kakatiya Institute of Technology & Science, Hanamkonda, Telangana** **Pursuing**  
Bachelor of Technology in Electronics Communication and Instrumentation Engineering  
8.89 (CGPA)
- 📍 **Narayana Junior College, Hyderabad, Telangana** **2020**  
Intermediate  
93%
- 📍 **Tejaswi High School, Hanamkonda, Telangana** **2018**  
Secondary Education  
10.0 (CGPA)

## INTERNSHIPS

- 📍 **3CORTEX Technologies | Data Science and Cloud Solutions Internship**  
June 2022 - July 2022
- 📍 **Udemy | Python Programming Internship**  
June 2023 - July 2023

## PROJECTS

- 📍 **Performance Analysis of 1-bit Full adder Using Different Technologies | April 2024**  
•CMOS, CPL and TGA are few prominent technologies used to design the fulladder (transistor level) using CADENCE VIRTUOSO tools  
•Compared the standard performance metrics of VLSI like speed, power and pdp
- 📍 **Smart WiFi Video Doorbell | April 2023**  
Developed IoT based Smart WifiVideo Doorbell  
•Monitors the status of the door, control it, and improve home security  
•Increases the security of a home using Blynk communication protocol or IFTTT that connects a smartphone to a door lock system
- 📍 **Banknote Authentication System | January 2023**  
Using few machine learning algorithms like Support Vector Machine(SVM) , Gaussian Naive Bayes, K-Nearest Neighbors Algorithms etc, it classifies a banknote into real or counterfeit
- 📍 **Home Automation Using Embedded System | November 2022**  
A password based home automation system using ARM CORTEX, TM4C123GH6PM, 4x4 matrix keyboard, which provides immense security and alerts user whenever wrong password is entered

## CERTIFICATIONS

- ✓ Elite with Silver Certificate, Internet of Things, NPTEL-2023
- ✓ Elite Certificate, Cloud Computing, NPTEL-2022
- ✓ Elite Certificate, Machine Learning, NPTEL-2022
- ✓ Elite Certificate, Logical Reasoning, AMCAT-2022