ASHOK PRADHAN

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Hacker Rank: 23x05a0205

PROFILE SUMMARY

"Innovative Electrical and Electronic Engineering student with a strong command of computer science languages and a passion for core programming. Skilled in software development, embedded systems, design, prototyping, testing, and seamless IT integration."

ACADEMIC QUALIFICATION

B. Tech (EEE) JNTU(H)
Narsimha Reddy Engineering College
CGPA: 8.3 (till 3-2) 2026

Diploma (Electrical and Electronics Enginnering)
Government Polytechnic, kothagudem
CGPA: 9.4 2020 – 2023

10th SSC
Arunodaya Vidyalayam High School
CGPA: 10 2020

TECHNICAL PROFICIENCY

- Programming language : C, C++, Python
- Front End : HTML
- Designing Software : AutoCAD, MATLAB LABVIEW, Simulink
- Tools : Arduino, ESP32

PRIMARY SKILLSET

- OOP Concepts in C++ :
  1. Object-Oriented Design: Organizes programming around objects, representing real-world entities.
  2. Key Principles: Encapsulation, inheritance, and polymorphism ensure structured and efficient code.

CERTIFICATIONS

- C Language, Udemy
- C++ Language, Udemy
- Python, Udemy
- AutoCAD - 3D Modeling

HACKER RANK BADGES

- C Language
- C++ Language
- Python

INTERNSHIP EXPERIENCE

Product Testing & Team leader Dec 2022 - May 2023
Linkwell Tele Systems (Three Phase Energy Meter)

- Conduct comprehensive testing of three-phase energy meters to ensure accuracy and compliance. Lead a team for efficient testing, document results, address defects, and drive quality improvements.

Python Programming Training & Internship Feb 2025 - mar 2025
Python Programming Internship (AICTE APPROVED)

- Completed a Python Programming Internship under the AICTE-approved program, gaining hands-on experience in software development and automation. Worked on real-world projects, enhancing problem-solving and coding skills. Developed a strong foundation in Python for AI, data analysis, and application development.

PROJECT EXPERIENCE

Solar Light with Remote Controlling (T/L) JULY 2022 - NOV 2022

- Energy Efficiency: Automatically adjusts brightness based on ambient light and activates only in low-light conditions to conserve energy.
- Automatic Operation: Ensures seamless functionality by turning on during dark hours without manual intervention.

RFID Door lock system (T/L) Feb 2025- mar 2025

- "Designed and developed an RFID-based Door Lock System for secure and automated access control. Integrated RFID technology with a microcontroller to authenticate and grant access efficiently.
- Implemented real-time validation, data logging, and fail-safe mechanisms to enhance security and reliability. Optimized hardware-software integration for seamless operation, making it a robust and scalable solution for smart security systems."

CO-CURCIULAR ACTIVITIES

Work shop :

1. Embedded system on Designing Logic circuits
2. Electrical wiring on Installing

NSS :

1. Blood Donation Camp
2. Co-Ordinator in Sports