NALLAGATLA VARUN KUMAR

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PROFILE

To work in a firm with a professional work driven environment where I can utilize and apply my knowledge, Skills which would enable me from being a fresh graduate to grow while fulfilling the organization goals.

EDUCATION

- **Rajeev Gandhi Memorial College of Engineering | Nandyal**
  B Tech in Electronics and Communication Engineering - 7.5 CGPA
  2022 - 2025

- **Government Polytechnic Collage | Dharmavaram**
  Diploma Electronics and Communication Engineering - 76.5%
  2019 - 2022

- **Narayana English Medium School | Dhone**
  State Board of Andhra Pradesh - 9.3 CGPA
  2019

TECHNICAL SKILLS

- **Languages:** C, Python, Verilog HDL.
- **Web Development:** HTML, CSS.
- **Operating Systems:** Windows
- Good knowledge in MS Word, Excel and PowerPoint.
- Embedded systems.

PROJECTS

Digital Piano using 555 Timer (Electronic Project) (Jan 2024-May 2024)
- Designed and implemented a digital piano using the 555 timer IC, demonstrating skills in electronics circuit design and audio signal processing.
- Tone generation: Utilized the 555 timer in astable mode to generate various frequencies corresponding to musical notes.
- Multi-button interface: Incorporated multiple push buttons to produce different tones, allowing the creation of a simple keyboard interface.

INTERNSHIP

Intern, Network Engineering   **2021**
Kia motors | Anantapur
- Assisted in the design and implementation of network solutions for small to medium-size enterprises.
- Conducted network performance testing and troubleshooting.
- Gained hands-on experience with routers, switches and firewalls.

VIRTUAL INTERNSHIP

Embedded System Developer Virtual Internship   **April – June 2024**
(All India Council for Technical Education)
(Certificate ID:db2be758db00816fb2805226680f4fc0, **Student ID:** STU6361926262860166825354)
- Assisted in the development and testing of embedded firmware for IoT devices.
- Worked on debugging and optimizing code for microcontrollers.
- Collaborated with a remote team to design and implement new features.

AI-ML Virtual Internship   **Dec2022 – Feb 2023**

- Assisted in developing machine learning models for customer behavior prediction.
- Conducted data preprocessing, feature engineering, and model evaluation.
- Collaborated with a team to deploy models using cloud platforms

CERTIFICATIONS

NPTEL
Roll No: NPTEL23HS145S743200219

CCNA Networks

(*https://www.credly.com/users/n-varun-kumar*)

AWS Academy Cloud foundations

(AWS Academy Graduate - AWS Academy Cloud Foundat... - Credly)

AWS Academy Machine Learning Foundations

(AWS Academy Graduate - AWS Academy Machine Learn... - Credly)

Basics of Python Course completion Certificate Infosys

ACTIVITIES

Attended seven days of Special Camping Programs conducted by the **National Service Scheme** for cleaning the village and educating the people and their children about new technologies from 23rd October 2016 to 29th October 2016.