SATHISH REDDY KALVALA

Hyderabad, Telangana

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EDUCATION

CMR Engineering College   06 2020 – 06 2024

*Electronics and communication engineering - **CGPA – 7.71***   *Hyderabad, India*

Sri Gayatri Junior College   06 2018 – 03 2020

*Telangana Board - MPC - **Percentage – 95.0%***   *Hyderabad, India*

Ideal High school   06 2017 – 05 2018

*Telangana Board - SSC - **CGPA – 9.2***   *Medak, India*

COURSEWORK / SKILLS

- Python
- HTML, CSS
- Oops
- SQL
- Database Management System(DBMS)

PROJECTS

Error Detection And Correction In SRAM's Emulated In TCAMS   2024

This Widely used in network devices to implement packet classification and are used for packet forwarding, for security, to implement software defined networks.

A Scalable Deep Learning Accelerator Unit On FPGA   2024

As the emerging field of machine learning, deep learning shows excellent ability in solving complex learning problems. However, the size of the networks becomes increasingly large scale due to the demands of the practical applications, which poses significant challenge to construct a high performance implementations of deep learning neural networks. In order to improve the performance as well to maintain the low power cost, in this paper we design DLAU.

CODING PLATFORMS

- Solved **500+** Problems on **Hacker rank**.
- Solved **100+** Problems across **W3Schools**

TECHNICAL SKILLS

Languages: Python, SQL
Developer Tools: VS Code, IDLE, Microsoft SQL server

Technologies/Frameworks: HTML5, CSS3

EXTRACURRICULAR

- Playing Cricket
- Watching movies

CERTIFICATIONS

- Python Language training from Sololearn
- Embedded Virtual Internship from Microchip
- Work shop on UAV and UGV from IIT Hyderabad
- ServiceNow certified application developer