



**VALLEPALLI  
DHEERAJ**

## TECHNICAL SKILLS

- **Digital Electronics.**
- **Programming Languages:**
  - Verilog Language.
  - C Language.
  - C++ Language.
  - Python Language.
  - Perl Language.
- **Data Structures & Algorithms.**
- **Machine Learning (Basic).**
- **Frontend Development (Basic).**

## EXPERIENCE

**Summer Intern, Texas Instruments**  
(May 2023-July 2023)


### Project's Highlights:

- Enhancement Of Verification Flow for the Multi Instance using Perl Scripting.
- Automation Of Address Decoding using Assertions with Python Scripting.
- Early Fault detection of GaN Power Switch Using Machine Learning.


## CAREER OBJECTIVE


To secure a challenging position where I can contribute my skills to growth of the organization. With a proactive mindset and dedication to excellence, I aim to make a positive impact while continuously learning and growing.

## CONTACT

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## EDUCATION

**NATIONAL INSTITUTE OF TECHNOLOGY,CALICUT** (2020-2024)

Bachelor of Technology  
Electronics and Communication Engineering  
8.47 CGPA (6th Semester)

**TIRMULA JUNIOR KALASALA** (2018-2020)

Intermediate  
9.96 CGPA

**THE FUTURE KID'S SCHOOL** (2018)

Indian Certificate of Secondary education  
Grade: 90.4%

## PROJECTS

### • **CAR PARKING SYSTEM**

Developed a Car Parking System using a HDL Verilog using the concept of Finite State Machine (FSM).

### • **MOVIE RECOMMENDATION MODEL**

Developed a Movie Recommendation Model Using the Concept Of Supervised Learning and K-Nearest Neighbors Algorithm (KNN).