

Pidugu Naga Pranathi

9398300002 | pranathipidugu@gmail.com

Education

- **Sri Venkateswara College of Engineering** 2024
B. Tech
85%
- **Narayana Junior College** 2020
MPC
9.3 GPA
- **Sri Sai Teja High school** 2018
10th
9.3 GPA

Skills

- Java: Well versed in Ooops like Inheritance, Polymorphism, Abstraction ,Arrays and Strings Data Types, Data types, Operators
- MySQL

Projects

- **Title:**
ASSESSING THE SIGNAL QUALITY OF PPG SIGNALS THROUGH COMPACT CNN MODULE
- **Description:**
Photoplethysmography (PPG) signal comprises physiological information related to cardiorespiratory health. High-quality PPG signals are necessary to extract cardiorespiratory information accurately. Motion artifacts can easily corrupt PPG signals due to human locomotion, leading to noise enriched, poor quality signals. Several rule-based and Machine-Learning (ML) based approaches for PPG signal quality estimation are available, but those algorithms' efficacy is questionable.
- **Role:**
Team Leader
- **Conclusion:**
This project presents an innovative approach that combines lightweight deep learning methodologies with the wavelet approach to evaluate the quality of Photoplethysmography (PPG) signals. The newly devised slim-CNN model is specifically tailored to analyze Wavelet processed images as its input, providing discerning assessments regarding the quality of PPG signals, categorizing them as either good or bad.

Strength

- Having positive attitude towards personal & professional life
 - Enthusiasm to learn new technologies
 - Self-motivated
 - Hardworking and committed towards work
- here by declare that above furnished information and the particulars are true and correct to best of my knowledge and belief.

Declaration

- I here by declare that above furnished information and the particulars are true and correct to best of my knowledge and belief.