

# SRICHARAN RUDROJU

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## CAREER OBJECTIVES

Energetic and optimistic individual with relevant technical knowledge. Seeking work in a well reputed organization Where i can use my learning to achieve my organization Objectives and get a conducive environment to learn and Growth with the company.

## CERTIFICATION

### PYTHON PROGRAMMING

CODETANTRA PLATFORM

## EDUCATION

### 2024 - BACHELOR OF TECHNOLOGY

[ELECTRONICS AND COMMUNICATION ENGINEERING]  
JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND  
SCIENCE, THIMMAPUR, KARIMNAGAR

### 2021 - DIPLOMA

[ELECTRONICS AND COMMUNICATION ENGINEERING]  
JYOTHISHMATHI INSTITUTE OF TECHNOLOGY AND  
SCIENCE, THIMMAPUR, KARIMNAGAR

### 2015-SSC

BOARD OF SECONDARY EDUCATION ZPHS HIGH  
SCHOOL, ELGANDAL, KARIMNAGAR

## LANGUAGES

ENGLISH, TELUGU, HINDI

## SKILLS

HTML  
CSS  
JAVA SCRIPT

## PROJECT

**PROJECT NAME:** INNOVATIVE  
BIOSENSOR DESIGNS UTILIZING  
TUNNEL FIELD EFFECT TRANSISTORS  
MODELING AND SIMULATION  
PERSPECTIVES

**TECHNOLOGIES:** Java script,  
HTML, CSS, REACT

### DESCRIPTION:

This project reviews the evolution of Tunnel Field Effect Transistor (TFET) based biosensors, addressing limitations of conventional biosensors such as high subthreshold swing. TFET biosensors offer enhanced sensitivity and cost-effectiveness, crucial for label-free biomolecule detection.

By analyzing various TFET structures and their sensitivity parameters, this research aims to provide insights for further advancements. Novel modifications, including double gate and P-N-P-N regions, are explored to improve tunnelling and biomolecule detection.

Through a comparative analysis of TFET biosensors, this project aims to contribute to the development of reliable and advanced biosensing technologies, crucial for diverse biomedical and environmental applications.

## RESPONSIBILITIES

-Fixing issues using front-end technologies such as Forms, HTML, CSS, and soon...

## INTERESTS

-Playing Cricket  
-Reading Books  
-Travelling

## STRENGTH

-Hard-Working achiever