

# KIRISHA S

BIOMEDICAL ENGINEER

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📍 Krishnagiri, Tamilnadu

## CAREER OBJECTIVE

Motivated Biomedical Engineering graduate with a strong foundation in biomechanics, medical instrumentation, and signal processing. Adept at applying engineering principles to solve clinical challenges. Seeking an entry-level role to contribute to innovative medical device development and healthcare technology.

## EDUCATION

**Bachelor of Engineering (Biomedical Engineering)** Jun 2022 - May 2026

EXCEL ENGINEERING COLLEGE

Komarapalayam, Tamil Nadu, 637303

CGPA-7.5

**Higher Secondary School** Jun 2021- May 2022

GHSS - Puliampatti

HSC-65.8%

**Secondary School** Jun 2019- May 2020

GHSS - Puliampatti

SSLC-80.2%

## PROJECTS

### NON INVASIVE SKIN CANCER SCREENING

- Developed an AI-powered non-invasive skin cancer screening system using dermoscopy imaging for early detection of suspicious skin lesions. Enhanced diagnostic accuracy and enabled faster, risk-free screening to support timely medical treatment without surgical procedures.

### SMART INHALER FOR ASTHMA PATIENT USING IOT

- Developed an IoT-based Smart Inhaler for asthma patients to monitor inhaler usage, vital parameters, and real-time health conditions using integrated sensors. Enhanced patient safety through medication tracking, emergency buzzer alerts, and remote health monitoring.

## INTERNSHIPS

### BHARTHIRAJA MULTI-SPECIALITY HOSPITAL, CHENNAI

- Completed a 10-day internship with hands-on training on ECG machine, Ventilator, X-Ray, Cath Lab, Syringe Pump, Defibrillator, Hemodialyzer and Surgical Instruments in a clinical hospital environment.

### KVS BIOMEDICAL CHENNAI

- Completed a internship training on industrial based embedded systems with hands-on experience in circuit design, microcontroller programming and hardware-software integration.

## SKILLS

### TECHNICAL SKILLS

- Medical imaging (MRI, CT, x-ray, ultrasound)
- Diagnosis equipment operation
- Sensors & transducers
- Biomedical signal processing (ECG, EEG, EMG)
- MATLAB/SIMULINK

### NON-TECHNICAL SKILLS

- Leadership & Team Management
- Analytical Problem Solving
- Quick Learning & Adaptability
- Effective Communication Skills

## INTERESTS

- Exploring technologies
- Biomedical instruments
- Quality management
- Device Maintenance
- Healthcare Data Analyst

## LANGUAGE

- ENGLISH
- TAMIL
- TELUGU