



THIRUNAVUKKARASU R T

Biomedical Engineer

My Contact

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Hard Skill

- Python
- MS Office
- MS Excel
- Basics of SQL
- Matlab

Soft Skill

- Quick Learner
- Decision making
- Communication
- Multi-tasking

Education Background

- Dr.N.G.P Institute of technology
B.E in Biomedical Engineering
Completed in 2024 With 85%
- Sree Dharmasastha Matric.Hr.Sec.School
HSC in Bio-Maths
Completed in 2020 with 69%
- Vimal Jyothi Convent Matric.Hr.Sec.School
SSLC
Completed in 2018 with 88%

About Me

I'm a Results-driven and enthusiastic Biomedical engineer, adept at solving complex problems and delivering innovative solutions. Passionate about continuous learning and collaborating in dynamic team environments to achieve project success.

Professional Experience

Senzo Labs

July 2024 - Present

Key responsibilities:

- Perform routine calibration on radiation monitoring instruments to maintain compliance with regulatory standards.
- Conduct functional testing of equipment.
- Keep records of the testing conducted instruments.

RBG Labs, IIT Madras

Dec 2023 - June 2024

Key responsibilities:

- Developed python codes to monitor driver fatigue using ECG.
- Assisted in baseline trauma care projects.

Internship

June - July 2023 Equipment Training at Kongunadu Hospital.

Jan 2023 Hospital training at KMCH.

Oct 2022 Internship cum training on X-Rays by Alerio X-Rays

Achievements

- Completed the course **ISO 13485 for Medical Devices** (Udemy) - 2025
- Secured First Prize at Paper presentation on the topic of Cancer treatments using **Carbon Nanodots** - 2024

Projects

- **Nocturnal Seizure detection** - The detection of seizures using heart rate sensor which is non-invasive, cost effective and convenient to for continuous patient monitoring.(2023)
- **Dysmenorrhea Pain relief** - A Peltier pad provides targeted pain relief for dysmenorrhea by applying controlled heat or cooling to the lower abdomen, helping to relax uterine muscles and improve blood circulation which is monitored using application. (2024)

Reference

Menagadevi - Assistant Professor

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Signature

R.T. Thirunavukkarasu