

VENKATESHWARI T

Bio Medical Engineer

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CAREER SUMMARY:

To secure a challenging position in reputable organization to expand my knowledge, learning and skills.

EDUCATION:

2019 - 2023 | PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY

Bachelor of Engineering - Biomedical Engineering - 8.30 cgpa

2017 - 2018 | KRS MATRICULATION SCHOOL

Higher Secondary Education - Biology & Maths - 75%

2015 - 2016 | BMS VIDHYALAYAM MATRICULATION SCHOOL

SSLC - 94%

PROJECT:

Classifications of osteoporosis

- Deep learning based convolution neural network used to classify the X-ray images of knee joints into normal, osteopenia and osteoporosis disease group.
- On basis of this classification medical professionals can provide preliminary qualitative diagnosis of osteoporosis stage.

Sleep Inducer

- Building a device that induces sleep using Embedded System Design. This device is based on Faraday's law of electromagnetic induction.
- This device will be useful for people suffering from insomnia. It will be helpful for stress management. Our team is designing this device based on the proven fact that, "the earth's natural magnetic field will induce sleep".

TRAININGS :

- Undergone Inplant Training in Vadamalayan Multi-speciality Tertiary care Hospital, Madurai.
- Attended training inplant training in Meenakshi Mission Hospital, Madurai

CERTIFICATIONS :

I had completed my online courses through Coursera related to these below topics.

- Bacteria and chronic infection
- Understanding cancer metastasis
- Introduction to python

WORKSHOP :

- On role of wireless technologies in sustainable development.
- Hands-on-workshop on Computer Assisted design in biomedical applications.
- Physiological data acquisition using 'BIOPAC' and Critical care Equipment in Chennai Institute of Technology.

SKILLS:

- Basics of Medical coding
- MS Office
- Basics of Python
- Language Proficiency in Tamil and English