

CONTACT

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OBJECTIVE

Looking forward to working in a career oriented environment, where I could project my innovative skills in the field of biomedical engineering with a high success rate, for the organization and for the self-growth.

EXPERIENCE

08.06.2021 -

08.12.2021

- **BIOMEDICAL ENGINEER - AASI MULTI SPECIALITY HOSPITAL, Ramanathapuram**
INTERNSHIP

I have undergone a six month internship as a Biomedical Engineer in a reputed multi speciality hospital. It includes Patient Monitor, X-ray machine, Defibrillator, ECG, EMG, Cath Lab, Ventilator, Infusion Pump, Syringe Pump, Ultrasound, Anesthesia Machine, Autoclave.

Responsibilities :

- To prevent malfunctioning of biomedical equipment.
- To Repair & Maintenance of biomedical equipment.
- Maintaining work-order, inventory of equipment, preventive maintenance schedule and technician time.
- Analyses equipment characteristics in clinical environment ensuring technical and clinical acceptability.

26.06.2020 -

28.07.2020

- **BIOMEDICAL ENGINEER - VI Solutions, Bangalore**
INTERNSHIP

I have undergone 5 weeks internship program on the topic of Machine Learning and Industrial IoT using LabVIEW. It also discusses the major vulnerabilities and challenges faced by IOT and also present how machine learning is applied to IOT.

27.09.2019 -

27.09.2019

- **BIOMEDICAL ENGINEER - KPI HEALTHCARE INDIA Pvt Ltd, Calicut**
INPLANT TRAINING

I have undergone 1 day Medical Ultrasound Equipment Training. It includes ultrasound physics, Hardware and knobology in 2D, 3D, 4D Color doppler modes.

EDUCATION

2017 - 2021

- **KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION (Deemed University)**
B.Tech (Biomedical Engineering)
69.3%

2016 - 2017

- **SYED AMMAL HIGHER SECONDARY SCHOOL**
Higher Secondary Certificate (HSC)
73.16%

2014 - 2015

- **SYED AMMAL MATRICULATION HIGHER SECONDARY SCHOOL**
Secondary School Leaving Certificate (SSLC)
97.8%

SKILLS

- Leadership
- Dedication

- Quick Learner
- Problem Solving
- Team Building and Team Management
- Decision Making
- Time Management
- Self-motivation
- Financial Knowledge

PROJECTS

- **TEMPERATURE ANALYSIS USING DATA ACQUISITION (DAQ) IN LabVIEW**
This project is to detect and analyze the temperature using Data Acquisition (DAQ) in LabVIEW
- **WEARABLE FETAL DOPPLER**
Wearable fetal doppler will improve the possibility to monitor fetal well-being at home and it will reduce the number of hospitalization during pregnancy as well as it will have a positive effect on cost reduction in fetal monitoring, thus improving overall quality of fetal wellbeing assessment.
- **INDIVIDUAL CENTRIC KNEE BRACES EMPLOYING ADDITIVE MANUFACTURING FOR DEGENERATIVE ARTHRITIS**
This project is to manufacture the knee joint braces by using 3D printing filament. Mainly focusing on the filament properties such as slightly flexible, wearable, Durable and strong. The braces design will transfer the load from knee joint. By that, the pain and the inflammation on the knee will gradually reduced. The customized design and selective 3D printing filament are advantages of this project, Which will provide structural strength and reduce the pain at the joints.

ACHIEVEMENTS & AWARDS

- I was a participant and project leader of IICDC - 2019.
- I have undergone one day training, under a topic of medical ultrasound equipment training at KPI healthcare india pvt ltd, in Calicut on 27th sep 2019.
- I done my MATLAB On ramp Value added course.
- I have undergone as an intern for 5 weeks under a topic of machine Learning of IoT.
- I attended a lot of Drishti Online Contest (Texas Instruments) and I got certificates.
- I done upto 6 courses in Coursera like Étudier en France: French Intermediate Course B1-B2; Leading change in Health Informatics; First Step Korean; Biomedical Visualization; Bioinformatics Method I; Bioinformatics Methods II.
- I attended a crack course on "Human Anatomy and physiology".
- I attended webinars on the topics of C language, IEEE benefits and resources, CANSAT and CUBESAT developments.
- I completed the exam "The Fundamentals of Digital Marketing" which was conducted by Google.

LANGUAGE

- Tamil (Speaking, Reading, Writing)
- English (Speaking, Reading, Writing)
- Hindi (Reading and Writing)
- Telugu (Speaking - Beginner)

PERSONAL DETAILS

- Date of Birth : 10/12/1999
- Marital Status : Unmarried
- Nationality : Indian
- Father's Name : Kannan A
- Hobbies : Internet Surfing, Badminton, Playing with Pets.

ADDITIONAL INFORMATION

- I am a member of Force Biomedical.
- I have attend lot of webinars, conference, Workshop.
- I was an active member and volunteer for the National Service Scheme, Youth Red Cross at Kalasalingam Academy of Research and Education.
- I was a student coordinator in department club activities.

INTERESTS

- 3D Printing
- MATLAB
- Biomedical Instrumentation
- LabVIEW
- Arduino
- HTML Coding
- Biomedical Control System
- Anatomy and physiology
- Biomechanics
- Solidworks
- MS Office

DECLARATION

- I solemnly **declare** that all the information furnished in this document is free of errors to the best of my knowledge.

SIGNATURE

(PAVITHRA KANNAN)