

NAGALAKSHMI M

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PROFILE:

- Trained Biomedical Engineer with a focus on delivering impactful results, eager to tackle dynamic challenges and apply creativity to solve problems related to healthcare.
- Demonstrated proficiency in project management.
- Bachelor Degree in Biomedical Engineering from Mepco Schlenk Engineering College, Sivakasi
- Specialization in the area of Biomedical Instrumentation

PROFESSIONAL EXPERIENCE

Aug'24-till date	DI Quality Certification Services Private Limited (DIQC, India)	Toxicologist and Microbiologist
April'24-Jun'24	LS Device Pvt Ltd, Chennai	Product Development Executive
Jun'23	Attended internship in Trichy SRM medical college and Research Institute	
July'22	Attended Internship in Apollo Hospital, Madurai	

EDUCATION

B.E - BioMedical Engineering, <i>Mepco Schlenk Engineering College, Sivakasi</i> CGPA: 8.25	2020-2024
HSC (Bio-Maths Group), <i>Srivi Lions Matriculation Higher Secondary School, Srivilliputhur</i> Percentage: 77%	2019-2020
SSLC, <i>Srivi Lions Matriculation Higher Secondary School, Srivilliputhur</i> Percentage: 92%	2017-2018

CERTIFICATION

- * MATLAB on Image Processing
- * Coursera- Introduction to Medical Software
- * NPTEL- Introduction to Cell Biology and Tissue engineering
- * Hospital Training in SRM Medical College for 11 days
- * Capacity Building Programme - AI Based Biotelemetry, Diagnostic and therapeutic Devices provided by PAMPTRON
- * Hospital Training in APOLLO Medical Hospital, Madurai for 1 week

TRAINING:

Advance Training in Biomedical Applications at Harvey Biomedical, Bangalore	Feb'24-Mar'24
<ul style="list-style-type: none">• Electro Surgical Unit• Semi-Automated Biochemistry Analyzer• Fully Automated Biochemistry Analyzer• Hematology Analyzer	<ul style="list-style-type: none">• ICU Ventilator• Electrical Safety Testing• Anesthesia Machine• Oxygen Concentrator
	<ul style="list-style-type: none">• AutoClave• ECG• Patient Monitor• Defibrillator• Syringe Pump & Infusion Pump

PROJECT:

Smart wheelchair solution for paralyzed individuals:

Dec'23-April'24

- The goal of this project is to design and implement a Prototype Smart Wheelchair Solution that leverages cutting-edge technologies to enhance the mobility, safety, foster independence and overall quality of life for paralyzed individuals.
- The core of the system involves a MEMS ADXL335 accelerometer-based head cap worn by the user with a smooth neck movement, providing a smooth and user friendly interface for people. Additional features of this project include obstacle detection with ultrasonic sensor, GSM technology for emergency communication with caretaker, Temperature measurement and massaging effect for the patient using vibrator providing users with a soothing massage-like sensation during prolonged usage.

DECLARATION:

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Nagalakshmi M