

RESUME

NAME : Hariharan K
ID NO : 20D434
DEGREE : Bachelor of Engineering
BRANCH : Biomedical Engineering
COLLEGE : PSG College of Technology, Coimbatore



Father's Name : Mr. S Kumanan
Gender : Male
Date of Birth : 20 October 2000
Languages known : English, Tamil
Email : hariharan.k345@gmail.com
LinkedIn : [linkedin.com/in/hariharan200](https://www.linkedin.com/in/hariharan200)
Mobile : +91- 8668045213

Permanent Address
Sarangapani pettai
uma maheswarapuram
Kumbakonam – 612001

ACADEMIC RECORD

Course	Institution	Board/University	Completion by	Percentage/CGPA*
B.E. (BIOMEDICAL)	PSG College of Technology, Coimbatore.	Anna University	2023	7.6*
DIPLOMA (MECHANICAL ENGINEERING)	143 Government polytechnic college papanasm, thanjavur dt.	DOTE	2019	66%
SSLC	Sri matha matriculation Higher Secondary School.	State Board	2016	68%

*- CGPA till 7th Semester

SEMESTER	III	IV	V	VI	VII
CGPA	8.08	7.76	7.84	7.60	7.60

AREAS OF INTEREST

- Medical equipment Manufacturing, Designing and drafting
- Bio-instrumentation & production
- Hospital support engineer
- Bio mechanics

SKILL SET

Languages : C Programming and Basics of python.

Packages : MatLAB, AutoCAD 2023, solidworks, Keil uVision4, comsole.

ACADEMIC PROJECTS

Automatic power saving escalator

The power consumption of the normal escalator are high we are worked on a team to reduce the power of the escalator by using motion sensor and microcontroller. If the motion sensor detect the presence of passengers the escalator run automatically. If there are no passenger on an escalator, the escalator goes into Stand-by

Emotional analysis using Thermal image

Worked on a team to analyze the behavior and emotions of a person by classification of thermal images with different emotions Classified different emotions such as anger, sad, happiness, and neutral using a deep learning Algorithm, successfully trained the model using YOLO v4

Non-invasive glucose level monitor using GSR sensor

A noninvasive device that could detect blood glucose in diabetics blood glucose in diabetes without having to prick them and draw blood has long been an aim. Even in the midst of a pandemic, many businesses are making progress in the noninvasive continuous glucose monitoring sector

Computer aided diagnosis for screening rare ocular diseases in rural settings

Early diagnosis of ocular Diseases are important to avoid complications of vision loss. Healthcare workers can Employ Computer Aided Diagnosis (CAD), a device that uses artificial intelligence and Machine learning algorithm to aid in disease diagnosis. The Ophthalmologists require Years of expertise to diagnose any ocular disease at an early stage. Hence Computer Aided Diagnosis is being used as an assistive device for screening of rare ocular Diseases.

CO- CURRICULAR ACTIVITIES

- Completed a course through LinkedIn on “The data science of Healthcare medicine and Public Health”
- Completed a course through Udemy on “Introduction to Big data, AI and IoMT in Healthcare”
- Completed a course through Alison on “ Introduction to biomedical research”
- Event coordinator in VIOTRIKA paper presentation event 2021
- Completed 3 month AutoCAD 2D,3D Course 2020

EXTRA- CURRICULARACTIVITIES

- Active member in Coding club PSG i Tech
- Annual sports runner up in football 2014
- Participated in Thirumala Tirupati devasthanam **Namasankeertana yagnam 2010**

DECLARATION

I, **HARIHARAN K**, do hereby confirm that the information given above is true to the best of my knowledge.

Place : Coimbatore


(HARIHARAN K)