

DHIVYA BHARATHI G

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Objective

To associate with an organization utilizing the skills, abilities and knowledge, to grow in a professionally competitive environment so as to implement and practice while being resourceful, innovative and flexible.

Personal Details

- Date of Birth : 03/10/1998
- Marital Status : Married
- Nationality : Indian

Education

• National Matriculation Higher Secondary School SSLC 92%	2014
• St. John's Matriculation Higher Secondary School HSC 61%	2016
• Vels Institute Of Science And Technology and Advanced Studies BE - ECE 79%	2021

Languages

- English
- French
- Tamil

Skills

- C, C++
- Python, Matlab
- HTML, CSS, JAVASCRIPT
- React Js
- Operating Systems - Windows 7, 10

Projects

- **Design and Implementation of an IOT based Automated Agricultural Monitoring And Control System**
Designed an automated agricultural monitoring system. Developed an software application to control and monitor the water level, humidity and temperature of the soil without human interaction.

- **An Effective Identification of Microaneurysm in Retinal Eye Using Deep Learning Technique Convolution Neural Network with Adam Optimization Algorithm**

Detected and identified Diabetic Retinopathy with more accuracy and specificity. Segmented and extracted the features of micro aneurysm using convolutional neural network algorithm and optimised the accuracy and specificity using Adam optimizer. And have also published this project paper in IEEE explore conducted by SSN college of engineering.

- **Detection of Exudates Using Atrous Algorithm with MobilenetV2 Architecture**

The recent advancement of deep CNN in the identification of Exudates inspired us to identify and classify exudates. In order to build an automated model to detect Exudates, we use Atrous or dilated convolution in the most common deep neural network architectures.

Activities

- Industrial visit in ISRO bangalore
- Have undergone 3 days implant training for Embedded system in Codebind Technologies
- Attended one day workshop for Android in Codebind Technologies
- Participated in the workshop on the topic " Hardware Security - Technology Stack and Strategies" Conducted by Vels Institute Of Science And Technology and Advanced Studies



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