

EDUCATION

B.E | Medical Electronics

Dayananda Sagar College of Engineering, Bengaluru, VTU

Year: 2018-2022 CGPA: 9.08

PUC | PCMB

MES College of Arts, Commerce and Science, Bengaluru

Year: 2016-2018 Percentage: 82%

Class X

Vidya Bharathi English School

Year- 2015-2016 Percentage: 92%

CAREER OBJECTIVE

- To Secure a career opportunity in a well organized company.
- Connect myself with the growth of the company by making use of my Experience and Problem solving skills.
- To be a Respected team member of the organization.

SKILLS

Programming Languages

- Python
- C++
- Java
- HTML
- CSS
- Java script

Cloud Computing

- Cloud Computing Infrastructure
- AWS Cloud Solution Architect

Dev-ops Tools

- Version control with git
- Jenkins
- Maven Tools

Database

- SQL

Technologies/Platforms

- Data Science
- Machine Learning
- Deep Learning
- NLP
- Model Deployment
- Stream lit
- Tableau Software
- Front end Web development
- Dev-ops

CERTIFICATIONS / ONLINE COURSES

- Artificial Intelligence certification course -VERZO Online platform
- Cloud Computing – NPTEL certified
- Full stack developer – Talent Battle

INTERNSHIPS/ INDUSTRIAL TRAINING

Amber Flux EdgeAI Private Limited

Internship stipend Rs.10,000 PM

Projects :- Diabetic Retinopathy Detection Using Artificial Intelligence.

Glaucoma detection in retinal fundus images.

- Identify suitable eye retinal image dataset.
- Pre-process the identified datasets.
- Build Deep learning models to identify and predict features related to diabetic retinopathy.
- Train, Test and finetune the model.
- Build a web app that can demonstrate the functionality of the Application.

The Sparks Foundation

Topic :- Timeline Analysis of Covid-19 Spread in Asia.

- Create a storyboard showing the spread of covid 19 in Asia using tableau.
- To give the possible reasons that might help preventing covid spread with the basic and advanced charts.

TVISHTRYON Solutions Private Limited | 1 Month

- Convert DICOM images to 3D model.
- Building Data pipeline and integrating the models in the parent app.

Nimhans Hospital Bangalore | 1 Month

- During an internship of one month I was exposed to various medical devices that are being used to treat patients.
- A practical approach and its principle were observed.

TECHNICAL PROJECTS

Heart failure prediction using Machine Learning

- With the increasing number of deaths due to heart diseases, it has become mandatory to develop a system to predict heart diseases effectively and accurately.
- The motivation of this project was to find the most efficient ML algorithm for detection of heart diseases.
- This project compares the accuracy score of Decision Tree, Logistic Regression, Random Forest and Naive Bayes algorithms for predicting heart disease using UCI machine learning repository dataset.

Real time Face mask detection

- The main objective is to build a real time system that can identify whether a person is wearing a mask or not.
- Mask is a protection against the respiratory diseases.
- This project brings deep learning model to detect face mask on real time using OpenCV.
- OLED, LED and BUZZER are the output units that are integrated with the system.

Diabetic retinopathy detection

- Diabetic retinopathy is a disease in diabetic patients with high blood sugar level.
- The objective of this project is to detect the presence of diabetic retinopathy using eye retinal images.
- Two applications were built:
 - User application
 - Using the eye retinal images the system has to identify the stage of retinopathy that the person might have.
 - Admin application
 - An application that can build a deep learning model without programming.
 - The user must have knowledge on the model parameters selection.

Glaucoma Detection in retinal eye image

- The primary objective of this project is to detect the presence of glaucoma using artificial intelligent techniques.
- The retinal fundus image is used to measure the thickness of the retinal nerve fiber layer (RNFL) to diagnose glaucoma.
- Segmentation of disc and cup from the image and calculating the cup to disc ratio (CDR value) play an important role.

LEADERSHIP AND ORGANIZATIONAL ACTIVITIES NGO'S

- Participated in NAILS FREE TREE Bengaluru Walkathon 2021 Association with BBMP
- Participated in GO GREEN walkathon 2020