Darshan H S

Mysuru, India | 9019799629
darshanhs953@gmail.com
 github | linkedin | portfolio

OBJECTIVE

Build a long term career in a conductive and progressive organization environment which provides wider exposure for continuous learning process with ample opportunities for future career growth. To use my skills and techniques in the best possible way for achieving the company's goals and increases its profitability and growth.

EDUCATION

JSS Science And Technology University (SJCE)   *2019-2023*

B.E in Electronics and Communication

• 9.36 CGPA (till 5th sem)

SADVIDYA PU COLLEGE (MYSURU)   *2017-2019*

I AND II YEAR PUC (PCMB)

• 92.66%

SADVIDYA HIGH SCHOOL (MYSURU)   *2016-2017*

SSLC, KARNATAKA BOARD

• 96.00%

SKILLS

Programming Languages	Python	C programming	C++
Front End Web Development	HTML	CSS	Basic JavaScript
Frameworks & Libraries	*Machine Learning :* Matplotlib	Numpy	Pandas	Scikit-learn	flask	Tensorflow
Additional Skills	OOPS	Operating Systems	DBMS	Cyber Security
Electronics	Digital Electronics	Analog Electronics	IOT
Soft Skills	Problem Solving	Good listening	Flexible
Languages	Kannada	English

PROJECTS

Mycobacterium Tuberculosis detection using CNN   *2022-JAN*

• This work presents a transfer learning approach with deep Convolutional Neural Networks for the automatic detection of tuberculosis from the chest radiographs with accuracy of 94.97 percentage. This work can be a very useful and fast diagnostic tool, which can save significant number of people who died every year due to delayed or improper diagnosis. The CNN model trained is deployed into the website using flask, Flask is used to deploy a machine learning model into a web which can be accessible through website without any libraries . This will help people to use themselves to predict the results and its also a time saving method.

Manhole Monitoring Using IOT   *2022-FEB*

• We have implemented the IOT based manhole monitoring system mainly to prevent the accidents due to clogging of manholes during rainy season or opening of lids to overflow which are fatal to human lives (especially motorcyclists) when unseen.Our methodology consists of hardware and software elements.The hardware element incorporates the interfacing of No demcu(WiFi module) with the GSM module(800A).Regarding the software part it includes programming the sensors so that they trigger the the values when the manhole needs attention.The Nodemcu connects to the surrounding WiFi network displaying the sensor data through web browser, apps, emails, etc which provide constant monitoring and triggering alerts.This system also sends the SMS to concerned authority phone number.The data is collected from the sensors and constantly sent through WiFi to other displaying platforms(web browser,apps,etc).

Breast Cancer Prediction   *2022-MAR*

• Machine learning techniques can bring a large contribute on the process of prediction and early diagnosis of breast cancer, became a research hotspot and has been proved as a strong technique. In this study, we applied Logistic Regression algorithm to predict after obtaining the results, a performance evaluation and comparison is carried out. The main objective of this project is to predict and diagnosis breast cancer, using machine-learning algorithms, and find out the most effective whit respect to confusion matrix, accuracy and precision. It is observed that Logistic Regression outperformed all other classifiers and achieved the highest accuracy (94.54 percentage).All the work is done in the Google colab environment based on python programming language and Scikit-learn library.

Spam Mail Prediction   *2022-MAR*

• In this project we are going to classify mails into spam and ham (normal mail) . spam mail means which contains unwanted messages and adds and so on. It will irretate to the user , therfore this model which is developed using support vector machine helps classify them into normal and spam mails. The dataset is used from kaggle website to train the model.

Stock Price Prediction using Machine Learning   *2022-June*

• Stock prediction model using python requires a database of a particular model. Here 10 year's of database is collected for a particular stock.Using the Library test train split training data and testing data is divided into 80 percentage and 20 percentage respectively. This training data is now fitted to the builded LSTM model. Long short term memory model is used because the stock price database is not stable.For the real time implementation of this model, prediction of future value of the stock price is considered. By taking the previous 10 days of data the model is able to predict the next day stock price. Here the trained model is tested for 3 different data for a 10 consecutive days to predict the future value.

Simple Website   *2021-Dec*

• Using basic knowledge of HTML, CSS and javascript a front end webpage is created. The Created website is deployed with the help of netlify app. This website has options to enter the basic details of the user and it provide a option to submit, clear and reset the entered details. link for the website - https://creative-jelly-1fb9f9.netlify.app/

LICENSES and CERTIFICATIONS

CERTIFICATION OF COMPLETION FOR ATTENDING 4.0 TECH BOOTCAMP IN NXT WAVE :   *SEP 2021*
• The aim of the bootcamp is to understand the landscape of transformative 4.0 technologies like AI and ML, Cyber security, IOT, Data science, AR and VR etc.

CERTIFICATION OF PARTICIPATION :   *APR 2021*
• For attending the guinness world record event on computer programming lesson in 24 hours

CERTIFICATION OF PARTICIPATION :   *JAN 2021*
• For attending 5 days webinar series on power electronics, organized by Pantech Solutions Pvt Ltd.

COURSES

COURSE ON PYTHON, DS AND ML :   *MAR 2022*
• Course offered by Perfect eLearning.

HTML ,CSS and JAVASCRIPT BASICS :
• by Intellipaat.

VOLUNTEER EXPERIENCE

• Volunteer for National Service Scheme(NSS), JSSSTU
• Volunteer for the Campus to connect program organised by NSS in Kodagu