

Prathyush S

Software Developer

Enthusiastic Programmer eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Clear understanding of Logic and programming and training in versatile programming languages. Motivated to learn, grow and excel in Analytics, Back-end development and data science industry

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EDUCATION

BE - Computer Science

SSN College of Engineering - Chennai [🔗](#)

08/2018 - Present

CGPA - 8.86

12th Standard

Vidya Nethrra Matric Hr. Sec. School

07/2016 - 03/2018

96.5%

10th Standard

Sri Lathangi Vidhya Mandhir

06/2015 - 03/2016

98.2%

PROJECTS

Driver Assistance System using IoT and OpenCV (08/2019)

- This project detects driver fatigue or drowsiness using a mechanism analyzing the human eye continuously using image processing tools. It also helps in detecting alcohol and whenever an accident occurs, the location of the vehicle is sent to the concerned persons using IoT.
- OpenCV- Haar Cascade, Python Integrated Modules, Android App, Firebase.

Regression, Classification and Clustering-Machine Learning

- **Vote Count Prediction** - Gradient descent algorithm, Ridge and Lasso regression with previous electoral results of State elections
- **COVID Probability Classification** - Standard Scaler, K-Best feature extracted, K-Fold hyperparameter tuned, Random Forest Classified
- **IRIS Clustering** - Feature extracted and K-Means and KNN Clustered

Sign Language Recognition - Deep Learning (04/2021)

- This Project identifies the sign-language alphabet from the live video captured and appends it to a word. Once the sentence is complete, it can be read out loud using play button
- OpenCV - Capturing Live stream video and display results, self-generated data set is used for training
- Tensorflow - Keras - NASNET-Mobile module for feature extraction
- ADAM - Optimiser, LabelEncoded output CNN for Classification

COVID Tracker using RASA Chat-bot (06/2020)

- This project delivers an interactive Chat-bot that finds the total and active COVID-19 cases of requested state all over the world. The Project is made available and tested through Telegram app.

Online Recruitment System (04/2021)

- A Website that integrates Company portal and Interested candidates
- Front-end: HTML, CSS, JavaScript
- Backend: Flask, SQLite, SQLAlchemy

EXPERIENCE

Intern

Sharity Social

08/2020

An NPO Startup aimed at uplifting livelihood of people in charity home

Tasks

- Worked in a team of 3 for linking SQL to the Web-application
- Developed one of the User section of the Web-application

SKILLS

C

Python

Java

C++

Flask

Pandas

Apache Tomcat

Turicreate

scikit-learn

MySQL

Machine Learning

SQLite

JDBC

Django

RASA

Deep Learning

Neural Networks

Computer Vision

ACHIEVEMENTS

Project approved and funded by College

• Collaborated with team of 4 in the development of Driver assistance system. This project is currently funded for prototype development by our college

House Captain (School) (2016 - 2017)

Elected Captain of one of the four houses of the school

CERTIFICATES

Machine Learning Foundations: A Case Study Approach [🔗](#)

Obtained through Coursera

Machine Learning: Specialization [🔗](#)

Obtained through Coursera - Specialization of 4 Courses including [REGRESSION](#), [CLASSIFICATION](#), [CLUSTERING](#)

Neural Networks and Deep Learning [🔗](#)

Obtained through Coursera

The Data Scientist's Toolbox [🔗](#)

Obtained through Coursera

First Chatbot with Rasa and Python [🔗](#)

Obtained through Coursera

Introduction to TensorFlow for Artificial Intelligence [🔗](#)

Obtained through Coursera

IoT using Arduino workshop

Developed a Snake Game using array of LED and won an Arduino

IoT using NodeMCU workshop

Node MCU - Blynk app in phone - Google assistant

Big Data Analytics Workshop

Hadoop - Scala - Apache Spark

LANGUAGES

Tamil

Native or Bilingual Proficiency

Malayalam

Native or Bilingual Proficiency

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

Sanskrit

Professional Working Proficiency