Karthikayan M

Programmer || Blogger

A Deep Learning developer with notable experience in applied applications.

karthikayanmailsamy@gmail.com

6383720355

23/12,8th street,kamaraj nagar,korattur,chennai-600080, Chennai, India

04 November, 2000

linkedin.com/in/karthikayan-mailsamy-b05504172

@karthikayankk

github.com/karthikayan4u

medium.com/@karthikayanmailsamy

SKILLS

- Python and C Programming
- Tensorflow2.x and Pytorch for Deep Learning
- Arduino Programming for IOT applications
- RF Antenna Design

LANGUAGES

English
Full Professional Proficiency

Tamil
Native or Bilingual Proficiency

Hindi
Elementary Proficiency

INTERESTS

- Artificial Intelligence
- IOT

EDUCATION

Study Program

R.M.K. Engineering College, Kavaraipettai

06/2018 – Present *CGPA-8.48*

Bachelor of Engineering

- Electronics and Communications Engineering

WORK EXPERIENCE

Team Leader for an Drone-Building Intership Project

ExpertsHub

11/2019 – 12/2019

Achievements/Tasks

- Bagged the Best intern Award and Best Team Award

CERTIFICATES

Deep Learning Specialization by Andrew Ng (04/2020 – 05/2020)

Algorithms and Datastructures in Python (04/2020 – 04/2020)

TensorFlow in Practice Specialization (05/2020 – 05/2020)

Machine Learning by Andrew Ng (02/2020 – 04/2020)

PERSONAL PROJECTS

Video based Dynamic Human Authentication System for Access Control
- Using Open cv and Face recognition module

Action Certainer using Transfer Learning
- Able to classify 8 categories of action images.

Mother's Day Tweet Sentiment Classifier
- Mother's day tweets are classified into positive,negative and neutral categories.

Energy Efficiency Predictor using Pytorch
- Predicts Heat Load and Cool Load of buildings

Human Protein Classifier using Pytorch
- Capable of classifying mixed patterns of proteins in microscope images

Simplified ULMFIT using Fastai
- For Twitter Airlines Sentiment Classification

Rock,Paper,Scissor,Spock and Lizard hand Gesture classifier
- Using Tensorflow.js on web-browser

Automatic Fog Detection
- With Blynk integration for wireless access

Wideband Antenna with partial ground
- 5.9-7.2GHz

Novel Hybrid Fractal Antenna with Sierpinski and Minkowski geometries
- 3.4-3.6GHz

Fractal Antenna using Sierpinski Curve geometry
- 3.4-3.6Ghz