Srinithyee Shanmugam Karthikeyen

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SUMMARY

An enthusiastic aspiring Computer Science Engineer with demonstrated capabilities of meeting the technological requirements. A driven individual with the ability to adapt to any situation and proven potential to grow self and others.

EXPERIENCE

Software Developer Intern
Prologue Library **May 2020 - July 2020, Tamil Nadu**

• Developed a Book Recommendation Web App from scratch using HTML5, CSS3, Node.js, React, MongoDB.
• Reinforcement Learning Model using Deep Deterministic Policy Gradient was used to produce recommendations, implemented majorly using R.The model suggests books based on learning from the user's previous interests on parameters like Authors and Genre.

Research Assistant
Sri SivaSubraminyaNadar College of Engineering **December 2019 - Present, Tamil Nadu**

• Worked on a new optimized edge detection algorithm which uses a fractional order mask for convolution to demarcate the edges.
• The Proposed algorithm is resistant to noise and can adapt to efficient detection of edges in any type of image and run 65 times faster than the existing Canny Algorithm.Paper published in International Journal Of Information Technology, a Scopus indexed Springer Journal.

PROJECTS

Data Science Capstone
Harvard University • June 2020

• Demonstrated skills in data visualization, probability, inference and modeling, data wrangling, data organization, regression, and machine learning.Completed the MovieLens Movie Ratings Predictor using R.

Smart Brain
The Complete Web Developer in 2020: Zero to Mastery • May 2020

• Built a Web Application to extract facial key points from any input image using HTML5, CSS3, React, Node.js, PostGreSQL and Clarifai api for Face Detection.It has been deployed using Heroku.

Safe Her
April 2020

• Developed a Machine Learning Model that predicts if a place is safe for women to visit.The data set is locally collected from different places in Chennai.This was developed using R.

Klarifi
March 2020

• Trained my own autoencoder, and used this deep learning powered autoencoder to significantly enhance the quality of images. That is, the designed neural network will create high-resolution images from low-res source images.

EDUCATION

Bachelor of Computer Science and Engineering
Sri SivaSubramiya Nadar College of Engineering • Tamil Nadu • 2018-Present • 9.2

COURSEWORK

Software Engineering, DataBase Management Systems, Object Oriented Programming || Sri SivaSubramiyaNadar College Of Engineering

Introduction to Machine Learning, Introduction to Mongo DB || Coursera

Deep Learning with Keras, Exploratory Data Analysis with R, Data Science:The Big Picture, Building Applications with React and Redux, Android Apps with Kotlin: ViewModel and Lifecycle || Pluralsight

SKILLS

Front End: HTML5, CSS3, JavaScript, Reactjs|BackEnd: MongoDB, Oracle, PostGreSQL|Languages: Java, Python, R, Kotlin, C|Libraries: Matplotlib, Pandas, Numpy, TensorFlow, OpenCV, Keras