**Hari vignesh .S**

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**Objective**

To pursue a challenging career and be a part of a progressive organization that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the organization.

**Education**

2016 - 2020

**BE – Computer Science Engineering / NPR College of Engineering & Technology**

CGPA = 7.78 / 10.00

2015 - 2016

**HSC / VHN Higher Secondary School**

Percentage = 76%

2013 - 2014

**SSLC / VHN Higher Secondary School**

Percentage = 94%

**Skills**

* **Machine learning libraries:** Numpy, Pandas, Scikit-Learn.
* **Deep learning libraries:** TensorFlow, Keras,

Tensorflow.js, Pytorch.

* **React Native.**
* **Data Visualization libraries:** Matplotlib, Seaborn, Plotly & Cufflinks.
* **Languages:** C, C++, Python, Python for

DataScience & ML, Java, SQL, Data Structure, Javascript, React JS

**Experience**

**FEBRUARY ‘19 – MARCH ‘19**

**Data Science Intern/WBIP**

My responsibilities in WBIP includes analyzing citizen's reviews of Municipal Corporation Offices and Akshaya centers in Kerala and to find insights over it to know which government office providing the best services to their citizens.

**Certifications**

* **deeplearning.ai Specialization - Coursera**
* Neural Networks and Deep Learning.
* Improving Deep Neural Networks: Hyperparameter tuning, Regularization, and Optimization.
* Structuring Machine Learning Projects.
* Convolutional Neural Network.
* Sequence Models.
* **TensorFlow in Practice Specialization | deeplearning.ai** – **Coursera**
* Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and

Deep Learning.

* Convolutional Neural Network in TensorFlow.
* Natural Language Processing in TensorFlow.
* Sequence, Time Series, and Prediction.
* **Microsoft Virtual Internship | Microsoft -** Insidesherpa
* **How Google does Machine Learning** **| Google Cloud -** Coursera
* **Launching into Machine Learning** **| Google Cloud -** Coursera
* **Python for DataScience & Machine Learning** **Boot camp | Udemy**

**Courses**

* Machine Learning A-Z **|** Udemy
* DataScience A-Z **|** Udemy
* Artificial Intelligence 2018 Build the Most Powerful AI **|** Udemy
* React Native – The Practical Guide **|** Udemy

**Projects**

● Early detection of sepsis using AI with a web application.

● Handwriting Recognition Using TensorFlow.

● Enhance the efficiency of the Fashion MNIST neural network with CNN using TensorFlow.

● Horse or Human prediction using TensorFlow.

● Developed as an Online shopping Application using React native with AI-enabled features.

● Rock Paper Scissor classification using TensorFlow.

● Sarcasm Detection in Headlines of BBC news detection using TensorFlow.

● Prediction of Diabetic patients from normal peoples using Logistic regression.

● Prediction of whether the user clicks an advertisement or not using Logistic regression.

● 2D Half Cheetah (MuJoCo) robot run using Augmented Random Search.

● Car lane line detection.

● Neural Machine Translation.

● Facial recognition using open CV.

● Neural Style Transfer.

● Jazz Improvisation with LSTM.

● Emojify.

● Trigger Word Detection.

**Area of Interest**

* **Machine Learning**
* **Deep Learning**
* **Data Science**
* **Data Analysis**
* **React Native**
* **Data Visualization**
* **Natural Language Processing**
* **Computer Vision**
* **Image Processing**

**Knowledge Bases**

* **Experience in applying ML algorithm**: Linear Regression, Logistic regression, KNN, Decision Tree and Random Forest, SVM, K means clustering, Principle Component Analysis.
* **Knowledge about CNN models:** LeNet-5, Alex Net, VGG-16 Network, ResNet, LSTM.
* **CNN Algorithms:** Yolo Algorithm, SSD algorithm, Sliding window detection algorithm.
* **Software’s:** Tableau, MS-Excel, Rational rose enterprise, Android Studio.
* **Regularization Methods:** Dropout Regularization, Data augmentation, Early stopping.
* **Knowledge to Implement:** Mini-batch gradient descent, batch gradient descent, RMS Prop, Adam’s Optimizer, Batch Normalization, Pooling Methods, Transfer Learning.

**Hobbies**

* Pencil Sketching.
* Listening to Music.

**Activities**

* Google India Scholarship (Android application development) – Udacity.
* Paper presentation on Neural Networks.
* Submitted Article on “How Do Machine Learning Program “Learn”?”.
* Attended National Level Workshop (Infinity 2018) on NLP in Thiagarajar College of Engineering & Technology.
* Attended guest lectures on TensorFlow, IoT, Web application using ember.
* Head coordinator of National Level Symposium ’20 in NPRCET.

**Declaration**

I here declare that the above-mentioned details are true to the best of my knowledge.