SRIRAM VIJENDRAN

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EDUCATION

SRM Institute of Science and Technology *June 2016 - May 2020*
Bachelor of Technology Overall Percentage: 80.5/100
Department of Electronics and Communications Engineering

TECHNICAL STRENGTHS

Computer Languages Python, MATLAB, Javascript, C/C++, MySQL
Software & Tools Pspice, LaTeX, Tensorflow, Pytorch, Linux

EXPERIENCE

RBCDSAI November 2019(Ongoing)
Undergraduate Research

· Development and deployment of Neural Network models for brain tumour segmentation
· Used 3D convolution for segmentation of MRI scan
· Model to be deployed in all state hospitals

AmberTag Analytics September 2018 December 2018
Apparel Classification

· Worked in a team of three people and Built Apparel Classifier using Deep Neural Networks.
· Used low-level Tensorflow API
· Conducted workshop for employees of AmberTag on building and deploying Deep Neural Network models

National University of Singapore June 2018 July 2018
Research Internship

· 1 of 183 participants selected throughout India.
· Hadoop basics and Map-Reduce using Cloudera
· Introduction to Hortonworks

IIT, Delhi August 2018
Research Internship

· Studied the Microstates the brain associated with perceiving vision.
· Publication in Press

ACADEMIC ACHIEVEMENTS

Ranked 1/200 Inter-department Physics project Competition, SRM University, 2016

Ranked 3/200 Robotics Competition, RoboTryst, 2014

Silver Medal Research Day, SRMIST, 2018.

COURSES

Online Certification

Introduction to Programming with MATLAB

Structuring Machine Learning Projects

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization

Neural Networks and Deep Learning

Using Python to Access Web Data

Python Data Structures

Programming for everybody (Getting Started With Python)

POSITION OF RESPONSIBILITY

Next Tech Labs — Student Research Lab Feburary 2018 - Present
McArthy Lab *SRMIST*

· Syndicate of McArthy Lab
· Mentor at McArthy lab

PROJECTS

EEG DREAMWALKER — IIT, DELHI(ONGOING)

· Building models to predict vision from EEG signals by making use of microstate estimation in EEG signals, under the guidance of Prof. Tapan Gandhi. Uses 64-channel EEG recordings from brain vision for training data. Training data collected from blind patients before eye transplant surgery and after eye transplant surgery.

PARKINSONS DETECTOR — MEMBER, MINSKY LAB

· Implemented a simple shallow neural network to detect early onset parkinsons in a patient by making use of their audio waveform. Dataset was pulled from UCI Machine Learning Datasets. Final test Accuracy is 81

PUBLICATIONS

S. Vijendran and R. Dubey. Deep online sequential extreme learning machines and its application in pneumonia detection. ICITM, 2019, University of Cambridge.