

Siddharth Divi

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EDUCATION

ANNA UNIVERSITY

SSN COLLEGE OF ENGINEERING

B.E. COMPUTER SCIENCE AND
ENGINEERING

July 2015 - May 2019 | Chennai, India

Cum. GPA: 8.79 / 10

KENDRIYA VIDYALAYA ANNA NAGAR

CBSE - AISCCE (CLASS XII)

Board Marks : 481/500 (96.2%)

KENDRIYA VIDYALAYA ANNA NAGAR

CBSE - AISCE (CLASS X)

GPA : 10/10

MOOCS

Machine Learning

Deep Learning, a 5-course specialization by
deeplearning.ai on Coursera.

TECHNICAL SKILLS

C | C++ | Python

Java

Keras | Tensorflow

ELK Stack

Oracle SQL | MySQL

Shell Programming

System Administration

EXTRA-CURRICULAR

ACTIVITIES

Tennis

Yoga

Volunteering

Debating

ACHIEVEMENTS

- Recipient of scholarship for academic excellence in college, 2017-2018
- Ranked second in my Junior Year in college, 2017-2018.
- Received a letter of commendation from Union HRD Minister for securing the first place in school during AISCCE 2014-2015

WORK EXPERIENCE

SOLARILLION FOUNDATION (SF)

- Undergraduate Research Assistant , Feb. 2017 - July 2019
- Undergraduate Teaching Assistant , March 2018 - July 2019
- Graduate Teaching Assistant , August 2019 - Present

RESEARCH PUBLICATIONS

INTERNATIONAL WORK-CONFERENCE ON ARTIFICIAL NEURAL NETWORKS (IWANN) 2019, GRAN CANARIA, SPAIN

- A generic framework of model architectures that could work across all classes of time series datasets. Worked on the suggested changes based on the reviews from AAAI 2019, Hawaii, and it has been presented at IWANN 2019. [Link]

COMPUTER VISION CONFERENCE (CVC) 2019, LAS-VEGAS, USA

- Forecasting food sales for one of the top multiplexes in India, using online learning and feature engineering by data correlative analysis. Published at CVC 2019. [Link]

CONFERENCE AND LABS OF THE EVALUATION FORUM (CLEF) 2018, AVIGNON, FRANCE

- Prediction of the top k species in a location based on the environmental features given in the form of tiff images. [Link]

RESEARCH EXPERIENCE

EARLY STOPPING FOR HUMAN ACTIVITY RECOGNITION ON RESOURCE CONSTRAINED DEVICES.

- Bringing Machine Learning onto edge devices with a specific emphasis on Activity Recognition. Working on the reviews obtained from IEEE MASS 2019.

MICROSOFT SUMMER RESEARCH WORKSHOP ON MACHINE LEARNING ON EDGE DEVICES

- Worked on the extension of two algorithms 'Bonsai' and 'ProtoNN' for regression, on edge devices. Our team won the Microsoft Research Grant 2018. [Link]

RESEARCH PROJECTS

DATA AUGMENTATION AND THE EXPLORATION OF TRANSFER LEARNING IN GANs.

- Augmentation of imbalanced datasets and the exploration of transfer learning with GANs.

STUDENT BEHAVIOURAL MODELLING SYSTEM.

- Acquisition of various kinds of data pertaining to students of a college to analyze their performance over time.

BREAST CANCER DETECTION SYSTEM

- An artificial medical diagnostic system, to complement a doctor's diagnosis, by making a prediction based on the results of the diagnostic tests. [Link]

DC MOTOR CLOSED LOOP SPEED CONTROL SYSTEM

- A closed loop speed control system built for a 12V DC Motor using a P controller, on an Arduino Uno. [Link]