* Deep Learning Nano Degree - [**Udacity**](https://confirm.udacity.com/LHQTTJDS) **05/2020**
  + - Neural Networks and Deep Learning - [**Coursera**](https://www.coursera.org/account/accomplishments/verify/XL4UN3EFADEX?utm_source=link&utm_medium=certificate&utm_content=cert_image&utm_campaign=sharing_cta&utm_product=course)  **03/2018**

**Certifications**

**Honors and Activities**

* + - Awarded by the Barclays CEO as the **Star Graduate** of Class 2017 out of a batch of 130.
    - One of the four nominees of **Early Career Awards** for doing outstanding work out of 1000+ colleagues who started their career with Barclays.

**Honors and Activities**

**Honors and Activities**

**Skills Languages:** Python, SQL (MySQL, Hive), Java, JavaScript, Unix

**Frameworks:** Pytorch, PySpark, Ab Initio, ESaaS, Terraform, Kafka, Hadoop, Power BI

**Platforms:** AWS, Hadoop, Docker

**Libraries:** Pandas, NumPy, Matplotlib, Scikit-Learn, Pytest, Scrapy

**Experience Barclays 07/2017 - 07/2020**

**Senior Developer - Data Integration Center of Excellence** **Pune, India**

* Created and owned a web application end-to-end to ingest and test files on Data Warehouse and reduced configuration time from 4 days to 2hrs per file.
* Developed Spark Framework to compact parquet files which reduced hive query time by 57% and space by 49%.
* Implemented performance dashboard for Hadoop Data Warehouse using ELK and Kafka.

**Edupristine 01/2017 – 07/2017**

**Data Science Intern****Mumbai, India**

* Developed a Lead Scoring Model to prioritize and qualify the incoming sales leads for courses.
* Trained the model with past user data using Random Forest to the predict the user’s conversion class. Achieved multi-class accuracy of 60% with 5 classes.
* Boosted the sales force productivity by 42% with the lead prioritization.

**180 Degrees Consulting BITS Goa Chapter – Non-Profit Organization 01/2016 – 12/2016**

**Consultant** **Goa, India**

* Provided analytical service to Non-Profit Organizations to increase their outreach.
* Boosted NGO Bhumi’s volunteer engagement by 42% by Social Media Analytics.

**Stock Market QQQ Index 10-day window Price Prediction (**[**GitHub**](https://github.com/sudharsanasai/Option-ITM-Prediction)**)**

* Predict QQQ Index price using Support Vector Machines with prices of Top-5 stocks, bonds and gold price as features.

**Handwritten Signature Recognition using Convolutional Auto Encoders**

* Detect fraudulent signatures by obtaining similarity scores with original using Convolutional Neural Networks with Auto Encoders architecture after centering, skeletonizing the signatures.

**Customer Geo-Clustering using Google Maps API and Power BI**

* Performed clustering using customer’s address by fetching latitude and longitudes from Google Maps APIs using Python.

**Selected Projects**

**Education New York University, New York Exp GPA: 4/4**

M.S in Data Science, Centre for Data Science **09/2020 – Present**

* Key Courses: Robo Advisors & Systematic Trading, Machine Learning, Big Data, Probability & Statistics, Computational Linear Algebra & Optimization

**Birla Institute of Technology & Science, Pilani GPA: 7.54/10**

B.E(Hons) Mechanical Engineering  **07/2013 - 05/2017**

* Key Courses: Financial Management, Stocks & Portfolio Management, Supply Chain Management, Marketing Research, Production Planning & Control, Engineering Optimization

**Sudharsan Asaithambi**

**MS Data Science – Centre for Data Science, NYU**

**Contact Information:**

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Github: [github.com/sudharsanasai](https://github.com/sudharsanasai)