

Sudharsan Asaithambi

MS Data Science – Centre for Data Science, NYU

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Education	New York University, New York M.S in Data Science, Centre for Data Science <ul style="list-style-type: none">Key Courses: Robo Advisors & Systematic Trading, Machine Learning, Big Data, Probability & Statistics, Computational Linear Algebra & Optimization	GPA: 4/4 09/2020 – Present
	Birla Institute of Technology & Science, Pilani, India B.E(Hons) Mechanical Engineering <ul style="list-style-type: none">Key Courses: Financial Management, Stocks & Portfolio Management, Supply Chain Management, Marketing Research, Production Planning & Control, Engineering Optimization	GPA: 7.54/10 07/2013 - 05/2017
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 Senior Developer - Data Integration Center of Excellence <ul style="list-style-type: none">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.	07/2017 - 07/2020 Pune, India
	Edupristine Business Analyst Intern <ul style="list-style-type: none">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 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.	01/2017 – 07/2017 Mumbai, India
	180 Degrees Consulting BITS Goa Chapter – Non-Profit Organization Consultant <ul style="list-style-type: none">Provided analytical service to Non-Profit Organizations to increase their outreach.Boosted NGO Bhumi's volunteer engagement by 42% by Social Media Analytics.	01/2016 – 12/2016 Goa, India
Selected Projects	Stock Market QQQ Index 10-day window Price Prediction (GitHub) <ul style="list-style-type: none">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 <ul style="list-style-type: none">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 <ul style="list-style-type: none">Performed clustering using customer's address by fetching latitude and longitudes from Google Maps APIs using Python.	
Certifications	<ul style="list-style-type: none">Deep Learning Nano Degree - UdacityNeural Networks and Deep Learning - Coursera	05/2020 03/2018
Honors and Activities	<ul style="list-style-type: none">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.	