

SIVASUBRAMANIAN SIVARAMAKRISHNAN

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EDUCATION:

M.S., Computer Science, at University of Texas at Arlington, 3.66/4

May 2017(Expected)

Related Course Work: Data Mining, Machine Learning, Advanced Database Systems, Design and analysis of Algorithm

B.Tech, Information Technology, Anna University, 7.52/10

May 2015

Related Course Work: Object Oriented Programming, Computer Networks, Network Programming and Management

CERTIFICATION:

Python-101-Udemy

Valid From Jan 2017

Python 101 is a comprehensive course covering all core concepts of Python starting from scratch. It also covers using Python with databases, regular expressions, multi-dimensional arrays with **NumPy** module and Series and **DataFrames** using **Pandas** module.

Python for Data science and Machine Learning-Udemy

Valid From Mar 2017

It is a comprehensive course on covering all the machine learning related topics like Linear & Logistic Regression, K nearest neighbors, Decision tree, Random Forests in python and Tensor flow.

PROJECTS:

Review Classification Model based on Sentence Polarity

Duration: 1 Month

Developed an application that works on TripAdvisor dataset to classify the reviews into positive or negative review which helps user whether to visit a place or not it's a text processing project with ML algorithms.

Technologies: **Python (pandas, nltk), tf-idf, Naïve Bayes Classifier.**

Product Search Relevance-Kaggle Competition

Duration: 1 Month

Developed a model that mimics the human predictions of relevance of search results to improve the customer shopping experience. Input for the model is the human rated relevance for the search term and product. Model has to mimic the human raters hence predicting the relevance for the remaining test data.

Technologies: **Python, Linear Regression.**

Map/Reduce Implementation using Hadoop

Duration: 1 Month

Developed a program which accepts large set of weather data of Texas from 2005 to 2011 to compute averages of the weather data using Hadoop map/reduce paradigm. This computed average of weather data can be used further for finding similar weather stations, however finding similar weather stations is not part of this project.

Technologies: **Hadoop Map/reduce.**

Dropbox replication

Duration: 1 Month

Created a dropbox replication application which uses the Amazon Web Service (AWS) EC2 instance and data storage as S3 to allow the user to securely login into the application using hashing method and also allows the user to upload, download, delete, and list out the files from AWS S3.

Technologies: **Python, AWS EC2 and S3.**

PROFESSIONAL SKILL SET:

Programming Languages:

Java, Python, SQL, Bash.

Big data Management:

Hadoop- Mapreduce, Tableau, Tensor Flow

Web development:

HTML, CSS, JavaScript, Nodejs, AngularJs.

Database:

MySQL, MongoDB, Couch DB.

Machine learning/Statistical method:

Classification, Regression, Clustering.

Graphic Designing:

Adobe Photoshop, Illustrator, In-design, Premiere pro, Powtoon.

Tools/IDE:

Pycharm, Eclipse, AWS EC2, S3, IBM Bluemix.

ACHIEVEMENTS AND RESPONSIBILITIES HANDLED:

- Published paper on **National conference on Ambient System and Technologies** (NCAST-2014) in the Topic of Next-Gen Disaster Management System held on 8th March 2014.
- Awarded with **Outstanding Academic Excellence Award** in Student Employee category by **University of Texas at Arlington**.
- Organized **TedxSairam** event for the year 2015 as a program organizer and appreciated by **Tedx** committee for the same.