

SIVASUBRAMANIAN SIVARAMAKRISHNAN

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EXPERIENCE

Web and Graphic Designer – University of Texas at Arlington (Arlington, Texas)

Mar 2016 – May 2017

Responsible for design up and development of UT Arlington athletics website and designed over 100+ posters and marketing contents (Logo, flyers) for games conducted in UT Arlington.

Technologies: HTML, CSS, Adobe Photoshop, Illustrator.

Application Developer Intern – Air India (Chennai, India)

Jun 2014 – Nov 2014

Assisted in developing a database application that manages cargo tracking for the administrative side and also assisted in improving stored procedures and views to improve readability and speed.

Technologies: Java, MySQL.

CERTIFICATIONS

AWS Certified Developer – Associate (License Number-986JS5EKK2FQQ6S4) CERTIFIED

Valid from July 2017

As a Certified associate developer in AWS I have great working insights in AWS technologies like EC2, DynamoDB, SQS, SNS and S3.

I have a technical expertise in developing and maintaining applications on the AWS platform.

Python for Data Science and Machine Learning – Udemy

Valid from March 2017

This course gave a great insight to use python for data cleaning, analytics (seaborn, Matplotlib, Pyspark), Machine learning algorithms (Linear Regression, Logistics Regression and Random Forest).

EDUCATION

M.S., Computer Science, University of Texas at Arlington, 3.50/4.0

Aug 2015 – May 2017

Related Course Work: Big Data Analytics, Advanced Database Management System, Data Mining, Machine Learning

B.Tech, Information Technology, Anna University, 7.52/10.0

June 2011 – May 2015

Related Course Work: Distributed Systems, Object Oriented Programming, Database Management System

PROFESSIONAL SKILLSET

Programming/Scripting Languages	Python, Java, SQL
Machine Learning/Statistical Methods	Classification, Regression, Clustering, Predictive Analytics, Text Analytics
Big Data Management	AWS(EC2, S3), Hadoop - MapReduce, IBM Blue Mix, Apache Spark
Web Development	HTML5, CSS3, JavaScript, Node.js, D3.js, Flask
Database	MySQL, MongoDB, DynamoDB
Tools	Eclipse, MySQL workbench, iPython Notebook, Linux and Windows

ACADEMIC PROJECTS

Dropbox Replication-AWS

Duration: 2 Month

Successfully implemented a Dropbox replication using python which is built on flask framework to use S3 as the cloud storage. To authenticate the user in an efficient way I used hashing technique, this application also use MySQL and Redis to check the retrieval speed in each variations. The functionalities of the app are version control, upload, delete and download.

Technologies: Python (Flask), Amazon AWS-EC2, S3, Redis.

Map/Reduce Implementation using Hadoop

Duration: 1 Month

Implemented Map/Reduce paradigm in Hadoop to accept large dataset of weather data in Texas from 2005 to 2011 in order to find out the most similar weather stations in the given year, average temperature recorded in each year is calculated.

Technologies: Hadoop Map/Reduce.

Search Engine Toy

Duration: 1 Month

Using Natural language processing, I created a search engine model in python, in which the model takes in huge presidential data set from past years debates as input and gives the search results as, given a query finding out most related document for the query and finding out how similar the two given documents.

Technologies: Python (Pandas), NLP (bag of words).

Home Depot Product Search Relevance-Kaggle Competition

Duration: 1 Month

Competed in an ongoing challenge of predicting the relevance score between the search terms and products from dataset given by home depot. By which I developed a model that mimics the human predictions on relevance of search results to improve the customer shopping experience and was able to acquire about 75 % accuracy through the model implemented using Linear Regression.

Technologies: Python (NLTK), Linear Regression.