SIVASUBRAMANIAN SIVARAMAKRISHNAN

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GitHub: https://github.com/sivarama2794

EXPERIENCE

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)   aws 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) it also gave great insight in working with Apache Spark and Natural Language processing.

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	Java, Python, SQL, Bash
Machine Learning/Statistical Methods	Classification, Regression, Clustering, Predictive Analytics, Text Analytics
Big Data Management	Hadoop - MapReduce, IBM Blue Mix, Apache Spark
Web Development	HTML5, CSS3, JavaScript, JSON, Node.js, D3.js
Database	MySQL, MongoDB, DynamoDB
Tools	IBM Bluemix, Google Cloud Platform, AWS EC2, S3

ACADEMIC PROJECTS

Home Depot Product Search Relevance-Kaggle Competition   **Duration:** 1 Month

Successfully completed a 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.

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).

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.

Dropbox Replication-AWS   **Duration:** 1 Month

Successfully implemented a Dropbox replication using python which works on Amazon Aws EC2 and uses S3 as cloud storage. To authenticate the user in an efficient way I used hashing technique, this application allows the user to list, delete, and update the files stored in S3 cloud storage

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

ACHIEVEMENTS

- **Awarded with Certificate of Academic Excellence** for securing 3.5+ GPA in three semesters from The University of Texas at Arlington.