Akash Sundararaj

Programmer Analyst with around 2 years of experience, I am having a deep passion of learning new skills in computer science, actively growing my technical skills to deliver software products with high efficiency.

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ACADEMIC BACKGROUND

University of Massachusetts, Dartmouth - Dartmouth   *Sep'18 - May'20*

College of Engineering – ABET accredited

Master of Computer and Information Science

Relevant Coursework: Advanced Algorithm design and complexity, Visual Analytics, Theoretical Computer Science, Advanced Computer Systems, Advances in Networking.

Anna University, India   *May'12 - Apr'16*

Bachelors of Engineering in Computer Science

CERTIFICATIONS

1) Stanford University Machine Learning Course

2) Web component Development using Java EE certified by Oracle

3) Blueprism(RPA Tool)

SKILLS AND TECHNOLOGIES

Programming Languages	Octave, Matlab, Python, C, C++, Java, .Net, SQL, Google API
Web programming languages	HTML5, Javascript, CSS, React
Data Visualization tool	D3.js
Robotic Process Automation	Blueprism

PROFESSIONAL EXPERIENCE

Programmer Analyst in Cognizant Technology Solutions LTD, India.   *Sep'16 - Aug'18*

- Have experience with these languages – C# in Microsoft visual studio windows Framework, Java, MySQL, Unix & Linux based systems in Cognizant Technology Solutions ltd. After 3 months of training period, I had work experience with the following projects.

Preparation of BRD and Development of Bots

- The Knowledge of the processes will be gathered and documented in a detailed manner by interacting with the front end users. Based on these documents, we will develop the bots using RPA tools which will automate the processes. Hence, the manual labors can be reduced for the processes who handled them before.

Production Support, Lincoln Financial Group

- The collection of the Billing and other back office processes of the Lincoln Financial Group insurance Company were developed and handled. In those processes, we will rectify the unhandled issues or provide enhancements in the code level. During the daily status call, updates about the processes will be shared to our clients.

PROJECTS

- **Python script –** Have developed python script using Imaplib package to automatically download the attachments like jpg, jpeg, pdf etc. from the outlook email, Gmail received from the clients to the corresponding folder based on the different constraints like subject name, from address name. This script can be set to run in different intervals of time based on the requirement.

- "**Gapminder clustering**" This tool was created to display the relationship GDP per countries and Life Expectancy for 200 countries. Along with this, the population and continents to which countries belonged to were represented here using the representation of size and color code of the circles.

- **Google sheets** – Have experience in creating the code (Google script) for automating the tasks of transferring data from master sheet to the separate sheets in Google cloud. Depending upon the updates in the Master sheet, the changes will be directly updated in to the other sheets without any manual intervention.

ACADEMIC PROJECTS

- A survey paper titled "**Immersive visualization**" based on immersive visualization technique (based on the reference of 50 research papers in the concepts of Augmented and Virtual Reality). This paper will explain about the recent researches and the results from those in area of immersive visualization.

- "**Visualization tool for Text documents**" This tool was created using D3 a visualization library of javascript. This tool will use certain entities from the documents and using them will create an interactive cluster. The documents can be opened on the workspace by clicking on the clusters in the graph.
  Technologies Used: D3, HTML, Javascript, CSS, Bootstrap

- "**Google Financial chart**" This interactive bar chart is created to display the financial performance of Google company with the help of revenues and profits details for 13 years(2002-2015). This chart is created based on my own interest.
  Technologies Used: D3, Javascript, HTML, CSS