KM HOUSE,VK PADI

PO-MAMPURAM,MALAPPURAM

KERALA,INDIA

Contact (Mob): +919895072802

ABDUL LATHEEF PT

Email : latheefvkpadi@gmail.com

Blog : http://latheefonblog.blogspot.in/

CodeRepo :https://github.com/abdullatheef

---------- **Education**

2009-2013 B- Tech in Information Technology,

Government Engineering College, Sreekrishnapuram

Palakkad (University of Calicut), 60%

2006-2008 Plus Two(Board of Higher Secondary Examination , Kerala), 80%

2005 SSLC (Board of Examination, Kerala) ,80%

Completed the Google 's Python Class

Now doing an online course on "programming Languages" (www.coursera.org/course/proglang) from University of Washington

---------- **Technical Skills**

Basic Programming skills	:	Python,C ,C++,SML(basics)
Operating Systems	:	Linux , Windows
Database	:	PostgreSQL,SQLite3
Version control	:	Revision control with git
Web Technologies	:	Flask, Django,Javascript/HTML 5/Jquery ,

---------- **Academic Projects and Seminars**

Mini Project : **Implementation of map in Android using Bayesian Network**

Aim of this project is to find shortest path between the source and destination places and also the minimum distance between the two, without using any of the functions of the network providers and hencewithout spending the money.The shortest path between the two places will be shown on a map on which the user can see the intermediate places comes in that path. A line on the map will indicate the shortest path. Since the output of the system is a map, user will be able to find out his path easily.

Main Project : **Text Chunking In NLTK Integrated with Hadoop**

Text chunking is recovering phrases constructed by the part-of-speech tags by finding base noun phrases,finding verb groups, etc.Text chunking is used for extracting information which can be used for keyword extraction,entity recognition,relation extraction,and other applicable areas. Text Chunking can be implemented by using NLTK;Natural Language Tool kit ,a tool kit used for Natural Language Processing .But the present problem with NLTK is that it can't handle massive anount of data as NLP require a large set of data for analysing itself. The only solution to this problem is by cluster computing.Hadoop is an open source MapReduce framework.MapReduce style clustering is especially suited to processing large amounts of data.So in our project we are trying to implement a Text chunker in NLTK ;The NLTK is such that it is integrated with Hadoop and its draw back of becoming slow because of large amount of data is handled efficiently .

Seminar : **Artificial Passenger**

The Artificial Passenger is a telematic device, developed by IBM, that interacts verbally with a driver to reduce the likelihood of them falling asleep at the controls of a vehicle.It is based on inventions covered by U.S. patent 6,236,968.The Artificial Passenger is equipped to engage a vehicle operator by carrying on conversations, playing verbal games, controlling the vehicle's stereo system, and so on. It also monitors the driver's speech patterns to detect fatigue, and in response can suggest that the driver take a break or get some sleep.The Artificial Passenger may also be integrated with wireless services to

provide weather and road information, driving directions, and other such notifications systems.

---------- Other Projects

Blog app using Flask

A blog app which can be used to write posts, view posts and additional option to comment on existing posts. It uses postgresql as database and funky version with additional login session security.

Blog post: http://latheefonblog.blogspot.in/2013/11

Github link: https://github.com/abdullatheef/microblog-using-postgresql

App link: http://latheefmicroblog.herokuapp.com/

Paint app using Flask/HTML5

This is a simple paint app i created using javascript in canvas which provides tools like pencil,line,rectangle,circle,spray,brush,eraser,undo etc.Flask is used as web framework. Save option is provided which will store image data as JSON object. PostgreSQL database is used.

Blog post: http://latheefonblog.blogspot.in/2013/12/paint-app-using-flask.html

Github link: https://github.com/abdullatheef/paint-app-using-Flask-and-postgresql

App link: http://latheefpaint.herokuapp.com/

Lisp Interpreter in javascript

An attempt to show how to implement a subset of the scheme dialect of Lisp using Javascript. To be exact it is a Javascript version of scheme interpreter written by Peter norvig in python.

Blog spot: http://latheefonblog.blogspot.in/2013/09/lisp-interpreter-in-python-and.html

Github link: https://github.com/abdullatheef/Lisp-Interpreter

Paint App using Django/HTML5

A basic paint application using JavaScript and HTML 5/canvas. Provides almost all basic paint functions. Web framework used is Django.The back end database is PostgreSQL.

Github link: https://github.com/abdullatheef/Paint-app-using-Django

Blog post: http://latheefonblog.blogspot.in/2013/12/paint-app-using-django.html

App link: http://latheefdjangopaint.herokuapp.com/

Huffman data compression

It is an entropy encoding algorithm used for lossless data compression. The term refers to the use of a variable-length code table for encoding character in a file where the variable-length code table has been derived in a particular way based on the estimated probability of occurrence for each possible value of character

This is done in JavaScript

BlogSpot: http://latheefonblog.blogspot.in/2013/09/huffman-compression.html

Github link: https://github.com/abdullatheef/Huffman-Compression

----------Online Courses

Currently doing online courses on:

1."**PROGRAMMING LANGUAGES**" **at cousera**.**org from University of Washington**.

   Objective: Learn many of the concepts that underlie all programming languages. Develop a programming style known as functional programming and contrast it with object-oriented programming. Through experience writing programs and studying three different languages, learn the key issues in designing and using programming languages, such as modularity and the complementary benefits of static and dynamic typing.

https://www.coursera.org/course/proglang

---------- Extra- Curricular activities

Active member in FOSS community at GEC Sreekrishnapuram ,
Palakkad

Participated in GHATECH -2011, a tech fest organized by IEEE Student Branch

---------- Declaration

I do here by declare that at all the information furnished above are true, complete

and correct to the best of my knowledge and belief .

Place : MALAPPURAM   ABDUL LATHEEF PT

Date : 17/12/2013