Harshad Baban Raut

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Current Position

Sofware Engineer, JDA Software Group Inc., Hyderabad India

Date of Joining: 25 August, 2014

I am working in CPP and SQL. I am working for Cargo Revenue Optimizer product.

Education

Program	Institute	Year of Passing	Percentage/C.P.I
M.Tech.	CSE, IIT Guwahati	2014	8.01/10
B.E.	C. Tech., Nagpur University	2011	60.25%
H.S.C	Maharashtra State Board	2007	80%
S.S.C	Maharashtra State Board	2005	73.6%

Technical Skills

Languages : C, C++, Python, JAVA
Operating Systems: Linux(Ubuntu), Windows
Tools & IDE : GDB, NS2, Wireshark, Pycharm
Database : SQL
VCS : Git

Master's Thesis

Study of the characteristics of different types of Facebook users by exploiting users Timeline activities:
Project Guide: Dr. Sanasam Ranbir Singh
Project Description: Online Social Network(OSN) has become an important part of the Web. Millions of people including celebrities, politicians use OSN for delivering messages, but anyone can use it as a platform for spreading misinformation. Many malicious activities and misinformation spreading starts by infiltrating OSN.
This study focuses on three types of users; (i) Users who send friend requests to arbitrary users, (ii) Users who accept friend requests from strangers and (iii) Users who reject friend requests from strangers.
This study analyses the characteristics of the above three types of the users by exploiting their Timeline activities.
Languages Used: Java, Python
Libraries Used: Beautiful Soup, Scikit-learn, Urllib2, Selenium Webdriver

Chrome Extension

Created chrome extension for labelling facebook profiles as fake/real by facebook users using google app-engine. Extension is available at www.tinyurl.com/fbsybil.
Languages Used: Python, JavaScript
Library Used: Jinja2

Course Projects

Machine Learning

Implementation of classifiers for different type of Datasets:

Aimed to implement **Full and Naive Bayes Classifiers** and analyse their performances with different Datasets.

Prediction of the response variable using different type of Regression:

The project aimed to predict and find the error for mpg as a response variable using different types of **regression methods**. The Dataset taken from UCI repository
http://archive.ics.uci.edu/ml/datasets/Auto+MPG.

A Survey on Transfer Learning:

Aimed to understand several current trends of transfer learning. Transfer learning is classified into three different settings: inductive transfer learning, transductive transfer learning, and unsupervised transfer learning, but most of previous works focused on the former two settings.

Computer System

Analyse effect of buffer size on TCP and UDP flows:

Aimed to compare the effect of buffer size on TCP and UDP flows and observe impact on their throughput and fair share of bandwidth using **NS2**.

Analyse different protocols:

Aimed to analyse different protocols involved in **Strong DC++** and to calculate statistics like Throughput, RTT, Packet size, Packet loss rate and also to check if all the content being sent as a reply to request using **Wireshark**.

Implement Ping command:

Aimed to implement Ping command as a combination of two modules, one sender and one receiver. Implemented own protocol describing functionalists at sender and receiver side.

Achievements

AIR 642 (99.6 percentile) in GATE 2012 with Gate Score 698.

10 pointers in last 2 semester of M. Tech(IIT Guwahati).

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge and belief.
Date:
Place:

(Harshad Baban Raut)