# Abhiram Ravikumar

Churning the UI5 stack at SAP

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## Summary

Since time immemorial, I have had an immense love for building comprehensive solutions for problems around me. Participating in hackathons and doing projects has helped me sharpen the former. In addition to these, I have an immense love for social work and for organizing events. Owing to exposure from a very young age at school, I have taken ample steps to develop both. Active involvement in fests, events and conferences at both school and college level have taught me numerous lessons for a lifetime, while also giving me adequate stage exposure. Being a Linux enthusiast and open-source contributor, I get to know people from the community all over the world.

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## Experience

**Associate Developer at SAP**

July 2016 - Present (9 months)

On the verge to become a full-stack web developer.

**Regional Coordinator - Mozilla Clubs at Mozilla**

May 2015 - Present (1 year 11 months)

RAL would be a 6 month certified program with the foundation, spreading the Mozilla mission in colleges, events and outreach all over India. My interest would specifically be Mozilla Science Labs that are coming up in India shortly.

**Intern at AboutNumber**

December 2014 - January 2015 (2 months)

Worked on front end web design, canvas and svg.

**Peer Mentor at Boot me up**

September 2014 - November 2014 (3 months)

Took sessions on basic web development for students.

**Member Technical Staff at Ordell Ugo**

August 2013 - September 2014 (1 year 2 months)

Working on a project related to SCADA.

**Digital Volunteer at Ministry of Communications and Information Technology**

May 2013 - May 2014 (1 year 1 month)

Support the Indian Ministry of Communications and Information Technology through way of posts and shares on the social media.

## Volunteer Experience

**Volunteer at FSMK**

**Club Lead at Mozilla**

**Mozilla Rep at Mozilla**
November 2015 - Present

ReMo (also known as Mozilla Reps), aims to empower and support volunteer Mozillians who want to become official representatives of Mozilla in their region/locale and wherever they go.

It's a community based volunteering position.

## Certifications

**Learn to Program: The Fundamentals**
Coursera October 2013

## Projects

**PythonClock**
August 2013 to Present
Members:Abhiram Ravikumar

## Languages

**Hindi**
**Kannada**
**Tamil**
**Telugu**
**English**
**Sanskrit**

## Skills & Expertise

**C**
**Java**
**C++**
**Windows**
**English**
**Research**
**Microsoft Word**
**Social Media**
**Photoshop**
**Python**

**PowerPoint**
**Outlook**
**Customer Service**
**Teaching**
**Public Speaking**
**Social Media Marketing**
**Big Data**
**Data Science**
**Event Planning**
**HTML**
**MySQL**
**Big Data Analytics**
**Microsoft PowerPoint**
**JavaScript**

## Education

**PES Institue of Technology, South Campus**
Information Science Engineering, 2012 - 2016

**PESIT, Bangalore South Campus**
Bachelor of Engineering (BEng), Information Technology, 2012 - 2016
Activities and Societies: Core member, Open Source club, Organize Hackathon ingenius, Club Lead, Firefox Club Department Head, Programming Club

**Sishya School**
High School Completion Certificate, 1998 - 2010

## Publications

**BIG DATA ANALYTICS: A NOVEL APPROACH TO DATA VERACITY USING CROWDSOURCING TECHNIQUES**
IEEE September 2014
Authors: Abhiram Ravikumar, Bhoomika Agarwal

**Best Poster Award - ACM Conference**
ACM Compute October 21, 2016
Authors: Abhiram Ravikumar, Bhoomika Agarwal

A Novel Approach to Big Data Veracity using Crowdsourcing Techniques and Bayesian Predictors

**A Novel Approach to Big Data Veracity Using Crowdsourcing Techniques and Bayesian Predictors**
IEEE February 2, 2017
Authors: Abhiram Ravikumar, Bhoomika Agarwal, Snehanshu Saha

In today's world data is being generated at a tremendous pace and there have to be enough measures in place to verify the nature of big data. Analysis performed on 'dirty' data may lead to erroneous insights and thereby shaping decisions poorly. The aspect of big data that deals with its correctness is known as big data veracity. Trusting the data acquired goes a long way in implementing decisions from an automated decision-making system and veracity helps to validate the data acquired. In this paper, we present our solution to the big data

veracity problem using crowdsourcing techniques. Our solution involves the use of sentiment analysis, which deals with identifying the sentiment expressed in a piece of text. As a proof of concept, we have developed an app that requires users to tag tweets as per the sentiment it evokes in them. Each tweet would therefore get ratified by hundreds of our participants and the sentiment associated to the tweet gets tagged. The tagged emotion was then evaluated against the verified emotion as compared to a verified data set. This analysis was then plotted on a ROC curve and also evaluated against verified data using a Bayesian predictor trained with a trinomial function. As can be seen, an accuracy of 81% was obtained as displayed by the ROC curve and 89% through the Bayesian predictor. Also, a MAP analysis of the Bayesian predictor yields neutral sentiment as the most probable hypothesis. By doing this, we have proven that crowdsourcing of sentiment analysis is a viable solution to the problem of big data veracity and therefore an aid in making better decisions.

**Vritthi - a theoretical framework for IT recruitment based on machine learning techniques applied over Twitter, LinkedIn, SPOJ and GitHub profiles**

IEEE December 12, 2016

Authors: Abhiram Ravikumar

In this model, we propose an innovative recruitment system using social networking websites like Twitter and LinkedIn along with code repository hosting website GitHub and competitive coding platforms like SPOJ. It is aimed to develop advanced search engines to automatically sort the job-seekers based on job offer requirements using various data mining and machine learning techniques. Vritthi allows job-seekers to quantify their job preparedness and offer a list of specific areas for them to focus on. We propose the formulation of VPQF (Vritthi Professional Quotient) that involves the use of K-means algorithm to classify users into appropriate clusters and provide them with appropriate suggestions for improvement. Using classic data mining techniques like filtration, classification, clustering, profiling as well as string matching & user profiling, this tool will enable recruiters to effectively select candidates who fit their organization in a hassle-free automated manner.

## Organizations

**Mozilla India**

TTF member

## Honors and Awards

**Certificate of Appreciation - Mozilla Reps**

Mozilla

January 2013

This certificate is to signify all contributions to the Mozilla project being a Rep in 2015.

Issuer had to say this, "It is because of passionate volunteers like you that the Mozilla mission is being pushed everywhere in the world. It is an honour to count you among our Mozilla Reps. To recognize your fantastic efforts we are sending you a certificate of your involvement in the Reps program in 2015."

**Best Research Poster Award - ACM Compute**

ACM India

October 2016

A Novel Approach to Big Data Veracity using Crowdsourcing Techniques and Bayesian Predictors

Best Research Poster award

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Contact Abhiram on LinkedIn