

Vidya Gowdru Shankaramurthy

Mobile: (650)-944-9268 | Email: vidya.gowdru@gmail.com | LinkedIn: <https://www.linkedin.com/in/vidyags> Github: <https://github.com/Nisha16>

SUMMARY

- Software Engineer with strong programming skills in Python, Java and JavaScript.
- Experienced in agile methodologies, software testing and cloud systems.
- Good understanding of object oriented programming, data Structures & algorithms and distributed systems.

TECHNICAL SKILLS

- Programming Languages: Python, Java, JavaScript and R
- Operating System: Linux and Windows
- Web Frameworks: Java Spring, NodeJS, Flask and Django
- Web technologies: HTML5, CSS, JQuery, ReactJS, AngularJS, Gulp, AWS (Amazon Web Services), Apache Tomcat, Git, Eclipse, JUnit, JMeter, XML, JSON, REST.
- Database: MySQL, MongoDB.
- Others: Machine Learning algorithms, Apache Spark, NLP, NLTK, Scikit, weka, D3.JS, numpy, scipy and Matplotlib

WORK EXPERIENCE

Tuutkia, Intern

August 2016 - Present

- Redesigning homepage as a responsive webpage with usability as a major factor.
- Building single page application for sales lead development using AngularJS, HTML5 and CSS.

San Jose State University, Research Assistant

Feb 2016 – May 2016

- Built a real-time framework to detect and prevent cyber bullying using machine learning and NLP. I was responsible for data collection, data cleanup in Python, extracting different feature sets, developing data models in Apache Spark and NLTK and training different models to obtain satisfying results.

Mindtree Ltd. Senior Software Engineer

Jul 2013 - Jun 2014

- Developed application interfaces to migrate and validate large amount of sensitive banking data from Siebel to Helix database with a team of engineers.
- Developed unit tests and conducted regression tests to test data integrity.
- Mentored and trained junior engineers in best practices in programming, coding conventions and architecture.

Kenscio Digital Marketing, MTS

Apr 2011 - Oct 2012

- Worked with clients in understanding project requirements and trained clients on product functionalities.
- Implemented features of framework in Python to automate data procurement, data cleanup tasks resulting in an increased efficiency from days to minutes.
- Designed and developed creative and professional email templates with innovative design for digital marketing ad campaigns using HTML, CSS and Expression Language.

EDUCATION

- **San Jose State University**, San Jose, CA Aug, 2014 – May, 2016
Master of Science in Software Engineering GPA 3.7
- **Visvesvaraya Technological University**, Belgaum, India Sep, 2006 – Jun, 2010
Bachelor of Engineering in Instrumentation Technology GPA 3.7

PROJECTS

- **Book share application:** Developed a service to share and sell the books amongst the peers using Java Spring and mongoDB as data stack.
- **Fish-It:** An easy pluggable order management system to enable online order and management. Application is built using ReactJS framework for frontend and Firebase for backend.
- **Detection of Cyber-Bullying using NLP and Machine Learning:** Collected data from Twitter API and Reddit public dataset. Cleaned data in Python. A comparative study of accuracy of different models by selecting different feature sets to detect cyber bullying was conducted using Apache Spark, NLTK and SciKit-Learn frameworks.
- **BuyNSell – An ecommerce web application:** Developed and deployed a marketplace web application in NodeJS using ExpressJS framework, that serves as an online marketplace and auction system for women apparels and accessories.
- **Fraud detection on ENRON dataset:** In this project, Classification models were built using scikit learn and numpy modules in Python. The target of the classifiers was persons-of-interest (POI's) who were individuals who were indicted. Financial data and email statistics from the Enron dataset were used as features for prediction.

PUBLICATION

- **An Approach to Design and Analyze the Framework for Preventing Cyberbullying**
[2016 IEEE International Conference on Services Computing \(SCC\)](#) By *Weider D. Yu, Maithili Gole, Nishanth Prabhuswamy, Sowmya Prakash, Vidya Gowdru Shankaramurthy* Issue Date: 2016-06