

Jayanth Kanugo

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Location: 3101 Old 63 South, Columbia, MO

EDUCATION

- **Master of Science in Computer Science - GPA: 3.41** Aug. 2015 – May. 2018
University of Missouri *Columbia, MO*
- **Bachelor of Engineering in Electrical and Electronics - GPA: 3.45** Aug. 2009 – July. 2013
Visvesvaraya Technological University *Belgaum, India*

EXPERIENCE

- **Product Developer** Jun 2018 - Oct 2018
CARFAX Inc. *Columbia, MO*
 - **Carfax Online:** Worked in a team to modernize the front-end UI and converting older Grails pages into static React Web Application deployed in a AWS S3 bucket. Created reusable UI components, used MobX to for state management and Jest for testing state management of a system. (*ReactJS, TypeScript, Jest, MobX*)
 - **New Relic Tracking:** Tracking events and user actions to understand usage patterns to make design decisions on new features and their impact. Created dashboards for tracking high volume dealer inventory pages.
 - **RandomVIN Chrome Extension:** An internal application to streamline QA by auto filling VIN fields across various CARFAX Websites. (*JavaScript*)
- **Graduate Research Assistant** Aug 2015 - May 2018
University of Missouri *Columbia, MO*
 - **NoCINV:** An iOS based application which predicts chances of nausea in patients undergoing Chemotherapy based on data driven decision trees (*REDCap API and ResearchKit*)
 - **Talk to TigerAware:** A conversation framework developed using Node.js, Express.js and Firebase to deploy surveys created on TigerAware dashboard through Google Assistant. (*Node.js, Express.js and DialogFlow*)
 - **TigerAware:** Worked in team of four to develop a generic and modular dynamic survey assessment platform for creating survey and instantly deploying to iOS, Android and Google Assistant. (*Node.js, Express.js and AngularJS*)
- **Software Engineer** Oct 2013 - Jun 2015
Tech Mahindra Ltd. *Bangalore, India*
 - **GE SBI Card:** Worked in a team developing a cross platform web and mobile companion application for credit cards issued by a major nationalized bank of the country (*JavaScript, Kony Studio, Java, C#*)
 - * Design and develop views and controllers for different screens of the application
 - * Creating plugins for Kony Mobile Visualizer to use encryption libraries on Windows Phone, iPhone and Android
 - * Perform daily code merges using Apache Subversion and resolve conflicts
 - * Created reusable templates for Views and Controllers in JavaScript

PROJECTS

- **Read-Reddit Pattern Recognition in Monthly User Activity:** A big data application based on Hadoop MapReduce to analyze over 10 million reddit comments to gain new insights into reddit activity. (*Java, Hadoop*)
- **Translation Efficiency and Accuracy of Google Translate API:** Comparing translation accuracy of Google Translate API using similarity metrics like Word Error Rate, BLEU to on a document translated to and from on multiple runs. (*Python and Google Cloud APIs*)
- **Association Rule Mining of ICU SEPSIS cases:** Analyzed diagnosis information of 120,000 patient visits for the year of 2016 from HealthFacts Archive and performed preprocessing based on a ICD-10 codes to mine association rules. (*R, Python, Machine Learning*)
- **Healthy Coping With Diabetes:** Lead a team of students to develop a retrieval based chatbot built using DialogFlow and Node.js based API to help elderly patients manage there diabetes at home (*Node.js, Express.js, DialogFlow, Firebase*)

PUBLICATIONS

- **Development and evaluation of a Healthy Coping voice interface application using the Google Home for elderly patients with Type 2 Diabetes:** *Accepted for Workshop at IEEE CCNC-2018*
- **TigerAware: A New Generic Customizable Survey Creation and Data Collection System for Mobile Devices:** *2018 IEEE Third International Conference on Data Science in Cyberspace (DSC)*

HONORS AND ACHIEVEMENTS

- **Outstanding MS Student Award:** March 2018

PROGRAMMING SKILLS

- **Languages:** Java; Python; C; HTML5; CSS3; JavaScript; Bash; SQL
- **Technologies:** AngularJS; Express.js; ReactJS; Node.js; MySQL; Pandas; Numpy; TensorFlow; Git; AWS; VS Code; UNIX