

## EDUCATION

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- **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

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- **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

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- **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

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- **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

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

## PROGRAMMING SKILLS

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- **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