

# Nikitha Chettiar

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## Education

**Indiana University, Bloomington** Aug 2016 – May 2018  
*Master of Science in Computer Science* GPA: 3.7/4.0  
Key Courses: Data Mining, Cloud Computing, Software Engineering

**University of Mumbai, India** Aug 2010 – June 2014  
*Bachelor of Engineering in Computer Engineering* GPA: 3.6 /4.0

## Technical Skills

**Programming Languages:** Java, JavaScript, C#, Objective-C

**Libraries and Frameworks:** Node.js, AngularJS, jQuery, Spring Boot, ASP.NET, Selenium, Bootstrap, Moq, NUnit

**Databases:** MySQL, Oracle DB

**Miscellaneous:** HTML5, CSS3, REST, JSP, JSON, iOS app development, Razor, Jenkins, RabbitMQ, Docker, Apache Thrift

## Professional Experience

**Software Developer, Bloom Insurance Agency, Bloomington** June 2018 – Present

- Wired APIs using ASP.NET webhooks to share data of insurance enrollments.
- Migrated web application from ASP.NET WebForms to MVC.
- Enhanced the Xamarin mobile apps and ASP.NET web applications with new features and improved existing code.
- Wrote unit tests using NUnit and Moq, monitored errors using Raygun and ensured product stability.

**Software Developer Intern, Bloom Insurance Agency, Bloomington** May 2017 – May 2018

- Created a portal for the management of the client information using ASP.NET MVC.
- Revamped the enrollment web app UI to enhance its appeal and user friendliness using Razor, CSS3, HTML5.
- Wrote selenium test cases following the Builder design pattern.

**Systems Engineer, Infosys Limited, India** June 2014 – May 2016

- Implemented mobile banking applications using Java, AngularJS and JSP on IBM Worklight - a hybrid mobile application development platform.
- Received training in iOS app development and implemented demo projects using Objective-C.

## Projects

**Micro service system prototype** <https://github.com/airavata-courses/nikchett> August 2017

- Developed a prototype demonstrating micro services architecture using Node.js, Spring Boot and Flask.
- Dockerized the micro services and deployed them on IU Jetstream cloud platform and enabled continuous integration using Jenkins.

**Contributed to Open Source - Apache Airavata** Oct - Dec 2017

- Analyzed and created design of the Allocation Manager feature in Airavata.
- Implemented a notification system for the Allocation Manager using Maven, RabbitMq and Apache Thrift.

**Prediction of Employee Attrition using Cost Sensitive Classification** April 2017

- Implemented Logistic Regression with cost sensitive learning to optimize F1 score on a highly imbalanced dataset of IBM HR Analytics Employee Attrition and Performance Attrition dataset.

**Cloud Computing** Jan - April 2017

- Developed a search engine using Hadoop Map Reduce Framework and Google's Page Rank algorithm.
- Implemented mini batch k-means clustering algorithm using Harp data processing tool.

**FoodForSoul** <http://foodforsoul.herokuapp.com> Oct - Dec 2016

- Developed a MVC web app for C2C buying and selling of books using Node.js and MySQL at the backend and jQuery at the frontend.
- Deployed the application on Heroku, a PaaS and followed waterfall model for software development process.

## Extra-Curricular

- Participated in Android App Development workshop conducted by IIT Bombay.
- Represented the Computer Society of India council at K.J. Somaiya College of Engineering.