Nikitha Chettiar

Bloomington, Indiana | nikithauc@gmail.com **| 925-844-4780**

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: HTML, CSS, REST, iOS app development, Razor, Jenkins, RabbitMQ, Docker, Apache Thrift.

Professional Experience

Software Developer, Bloom Insurance Agency, Bloomington   June 2018 – Present
- Created ASP.NET webhooks to connect APIs and share data of insurance enrollments.
- Migrated ASP.NET WebForms application to MVC.
- Enhanced the Xamarin mobile apps and ASP.NET web applications with new features and refactored 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 UI of an insurance enrollment web app to enhance its appeal and user friendliness using Razor.
- 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 C2C online bookstore, a MVC web application using Node.js and MySQL at the backend.
- Deployed the application on Heroku, a PaaS and followed the 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.