Hackathon [[Source Code](https://github.com/NikhilKumarM/Fedme)]

* Developed an android app **Feed Me** that finds the free food events on campus. (Java, AWS, SOA)
* Users can post free food events and view the menu of food places on campus. [More details](https://devpost.com/software/feedme-c9a6q5)

Relevant Coursework

* Design and Analysis of Algorithms
* Advanced Operating Systems,
* Artificial Intelligence
* Machine Learning
* Mobile Computing
* Introduction to Data Science

Awards and Activities

* **Outstanding student of the year** award for excellence in Academics and Sports.
* **Best paper presentation** at a National level technical Symposium, India. **Subject**: How to reduce Noise Pollution using Light Fidelity technology.

Skill Set

**Languages:**

Python, Java, JavaScript, MySQL

**OS**: Unix, Windows, Android

**Tools and Frameworks:**

AWS, Spark, Hadoop, Apache Pig, Jenkins, Git, Node.js, MongoDB, Express.js, REST API, JSON, MVC, Git, EJS, HTML, Eclipse, Android Studio, MATLAB, Anaconda, Scikit-learn, NumPy

Teaching Experience

**Teaching Assistant**(Sep2017-May2018)

* Assisting the professor in all aspects of the coursework and grading.
* Appreciated for building automated testing framework.

**Education**

**Master of Science, Computer Science GPA: 3.9 / 4.0**

University of Maryland Baltimore County May 2018

**Bachelor of Science, Electronics and Communication GPA: 4.0 / 4.0**

VNR Vignana Jyothi Institute of Engineering & Technology May 2015

Opensource Contribution

**pandas-dev/pandas** (powerful data analysis / manipulation library for Python) - Implemented a new feature in which Dataframe.pivot function so that it supports multiple columns as index. ([Github](https://github.com/pandas-dev/pandas/pull/21467))

Certifications

**AWS Certified** **Solutions Architect -Associate** [**Certificate link**](https://www.dropbox.com/s/paghnpij710v8bc/AWS%20Certified%20Solutions%20Architect%20-%20Associate%20certificate.pdf?dl=0)

Professional Experience

**Software Developer Intern** Feb 2018 – May 2018

Legg Mason Baltimore, MD

* Implemented an **ETL** prototype framework using **AWS** (Amazon Web Services) that performs complex transformations on the data.
* Used various AWS resources such as Glue, S3, IAM, EC2
* **Technologies: Python, AWS, MySQL, Spark, NumPy, Cloud computing**

**Software Engineer Intern** June 2017 – August 2017

Sparksoft Corporation Baltimore, MD

* Worked on the web application using **MEAN** stack that creates the mock API’s to test the requests and responses in a collaborative team environment.
* **Technologies: JavaScript, Node.js, Express.js, MongoDB, Bitbucket, Jira**

**Software Engineer** August 2015 – June 2016

Capgemini Bangalore, IND

* Designed and implemented slowly changing dimensions of type 2, through which history data is maintained successfully.
* **Technologies: Python, MySQL**

Projects

[**Enhancing Customer Retention Using Big Data Analysis**](https://github.com/NikhilKumarM/Enhancing-Customer-Retention-Project) **-** Implementation of the web service that predicts top N customers who will repeat the purchases.

(Python, Java, Node.js, MongoDB, Hadoop, MapReduce)

[**Dish**](https://github.com/NikhilKumarM/Dish.) **-** Developed an android application that enables users to endorse their favorite foods at restaurants using Service Oriented Architecture.

(Java, REST API, PHP, MySQL, AWS, Firebase Storage, Android)

[**Find Home**](https://github.com/chetanThalisetty/FindHome_BEServer) **-** Designed a scalable web application that is used to book a house at a given location and Implemented Indexing, Clustering.

(JavaScript, Node.js, Express.js, REST API, MySQL, EJS, HTML)