Nikhil Kumar Mengani

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Education

Master of Science, Computer Science   <u>GPA: 3.9 / 4.0</u>
University of Maryland Baltimore County   May 2018
Bachelor of Science, Electronics and Communication   <u>GPA: 4.0 / 4.0</u>
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](#))

Certifications

AWS Certified Solutions Architect -Associate   **[Certificate link](#)**

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 - Implementation of the <u>web service</u> that predicts top N customers who will repeat the purchases. (Python, Java, Node.js, MongoDB, Hadoop, MapReduce)

Dish - Developed an android application that enables users to endorse their favorite foods at restaurants using <u>Service Oriented Architecture</u>. (Java, REST API, PHP, MySQL, AWS, Firebase Storage, Android)

Find Home - Designed a scalable web application that is used to book a house at a given location and Implemented <u>Indexing, Clustering.</u> (JavaScript, Node.js, Express.js, REST API, MySQL, EJS, HTML)

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.

Hackathon [[Source Code](#)]

- 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](#)

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.