**Aishwarya Jagath Naik**

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<http://naikaishwarya.github.io>

Graduate Student enrolled in Masters’ of Science, Computer Science with good understanding of Object Oriented Design and Agile Development

* 1.8 years of professional experience in software development
* Significant work experience in development field using JAVA, SWING
* Good experience in writing SQL queries using MySQL
* Knowledge of multiple languages like HTML, CSS, JavaScript, NodeJS, JSP, XML
* Expertise working with Build tools and Version Control System like Perforce and GIT and Defect tracking tools like JIRA
* Experience in using IDE’s like Eclipse, Android Studio
* Good knowledge of writing test cases using Junit
* Learnt about Weka tool and JaCoCo tool
* Self-managed and committed to working in a fast paced environment
* Proficient in python and deploying Flask applications
* Used Amazon Web services such as EC2, S3, Elastic Cache Beanstalk and RDS to deploy applications on cloud
* Worked on projects using IBM Bluemix Storage Service
* Positive communication skills

**EXPERIENCE**

**Research Assistant at the University of Texas, Arlington:** January 2016 - Present

Developing a stand-alone software regarding lipid modification for the Chemistry department

**Infosys – Systems Engineer – Engineering Division**: October 2013 – July 2015 CGPA: 4.0/5.0

**Role:** Initially developed most of the GUI design and then implemented new features for the CAP-1000 CherryPicker device. Constantly working on major and minor bug fixes

**Skills learned:** JAVA, Swings, Embedded Application Development, Bug fixing, Software Development Life Cycle and Agile Methodology

**EDUCATION:**

**Masters of Science, Computer Science:** Aug 2015 – Present GPA: 3.87/4.0

University of Texas at Arlington, Texas (Expected Graduation: Spring 2017)

**Bachelors of Engineering in Computer Science and Engineering**: September 2009 – June 2013 69.98%

Visvesvaraya Technological University, India (Vidyavardhaka College of Engineering, Mysore)

**TRAININGS & CERTIFICATIONS:**

Specialized training in Java, JSP and Relational database Management Systems for 3 months by Infosys Limited

**PROJECTS:**

* **Chat Application (Academic Project):** An application designed in Node.js which allows several users to chat with one another and also allows users to join and be part of several chat rooms
* **Android Application (Academic Project):** File Download application developed along with a web application, such that it helps interfacing laptop and android device wirelessly, to download files
* **Gravity (Self-Assessment Project):** Mario is made to experience physics and fly against gravity in this game. Objective is to get past all of the pipes without touching them. Designed using HTML5 and Phaser.io
* **Magazine/Newspaper Subscription Database (Academic Project):** Designed and developed a database to add newspapers and magazines and manage the subscriptions of these by each customer. This project is designed using NodeJS, HTML, CSS, Bootstrap, JavaScript and MySQL.
* **Integration of Association Rule Mining into an Assisted Diagnosis Information System (Academic Project):** The application will output diagnoses which pass a specific support and confidence or lift threshold, which have been provided in the ‘parameters’ section on the desktop interface.
* **Securely store and retrieve files to IBM BLUEMIX (Academic Project):** This project helps to upload a copy of local file encrypted on your service. Also helps to retrieve decrypted remote files. User interface is designed using python and Flask.
* **Amazon AWS Services usage (Academic Project):** Developed using Flask and python, this project is deployed on AWS Elastic Beanstalk service. Main aim of this project is to allow AWS user to upload a local file, to S3 (S3: Amazon Simple Storage Service) .Also helps user to retrieve file from S3 and upload to RDS (RDS: Amazon Relational Database Service)
* **Hadoop on AWS (Academic Project):** Using Mappers and Reducers, on large datasets, to categorize large data into groups and instrument (time).
* **Machine Learning and Visualization (Academic Project):** Using k means clustering methods to cluster a given dataset and show the output of the resulting clustering using Scatter charts and Bar charts with annotated color using we browser. Scatter charts and Bar charts were used from D3.JS package.
* **Google App Engine Project (Academic Project):** App Engine’s Environments, supports a host of programming languages. With the help of flexible environment, developed a webpage where users can log in to the system and then upload their pictures, see their own pictures as well as others. Also comment on their pictures and other users pictures too. Used MongoDB and Google bucket for storage and retrieval of images and data. For front end, used Flask and back end, python. Made use of JMeter for Load testing the web application too.

**EXTRA CURRICULAR ACTIVITIES:**

* Participated in inter college dance competition at Incident’12 held at NITK Surathkal
* Indian Society for Technical Education (I.S.T.E) coordinator
* NCC(National Cadet Corps)-Cleared the A certificate examination held in 2006
* Have taken part in many inter school basketball competitions
* Technical Ebullience of Computer Science Students Association(TECSA)-Branch coordinator