HARSH SHAH

(929)-444-5923 | shah.hm20@gmail.com | GitHub://harshshah94 | LinkedIn://harshshah094

EDUCATION

- Master of Science, Computer Science, University at Albany, SUNY — May 2019 (GPA: 3.94/4)
- Bachelor of Engineering, Computer Science, Gujarat Technological University, India — June 2015 (CGPA: 7.48/10)

WORK EXPERIENCE

Senior Consultant, Capgemini America — August 2019 - Present

- Designed, developed and enhanced banking app for personal loans serving 1 million customers
- Reduced the ETL time complexity from linear to logarithmic to transform and load 5 GB customer records
- Responsible for developing unit test cases to enforce test driven development for business layer
- Implemented using agile methodology leveraging Jenkins for continuous integration and continuous delivery

Software Engineer, Cybage Software Pvt. Ltd., Pune, India — April 2016 – June 2017

- Designed and developed RESTful API in JavaEE for e-commerce platform for item and order management modules
- Increased the code coverage from 70% to 90% by writing Junit test cases for RESTful API in Test Driven environment
- Integrated Hibernate ORM to facilitate DML and DDL queries and represent object relational mapping
- Followed Agile concepts and utilized version control system Git and JIRA tool for issue tracking throughout the application

Graduate Research Assistant, University at Albany — January 2019 – May 2019

- Implemented solutions for curriculum mapping and tracking student's progress in computer-supported collaborative learning (CSCL) environment by utilizing python-based NLP libraries
- Created RESTful web services using Flask micro-framework to leverage concept mapping for data visualization
- Developed and integrated word-cloud depicting student notes corresponding to key concepts in KB-DAC (analytic centre)

SKILLS

- **Languages**: JAVA 8, Java SE, Java EE, python, javascript, PL/SQL, NoSQL, HTML5, CSS3
- **Tools & Frameworks**: Spring boot, JPA, AngularJS, NodeJS, ExpressJS, MySQL, GitHub, JIRA, Flask
- **Design Patterns:** Singleton, Factory, Adapter, Observer
- **Others**: Agile Methodology, Jenkins (CI/CD), Amazon Web Services (AWS), REST API, Natural Language processing (NLTK)

ACADEMIC PROJECTS

picShare *[Java EE, Spring Boot, Spring data JPA, Facebook Graph API, MVC, MySQL, AWS]* — January 2018 – May 2018| Git

- Developed a social networking platform for users to share image as post with audio or text as an annotation
- Integrated Facebook Graph API provided login with Facebook functionality and fetched friends from Facebook account
- Configured Spring data JPA with MySQL on RDS instance to persist the object state at different stages
- Utilized Amazon Web Service by storing data on RDS instance and hosted application on EC2 instance

Go-Ami-Go *[Angular 5, NodeJS, ExpressJS, MongoDB, HTTP Client API, Bootstrap, HTML5, CSS3]* — January 2018 – May 2018| Git

- Built smart trip planner with budget management, restaurant suggestions and gallery management
- Implemented HTTP Client API in Angular to communicate with backend services over HTTP protocol
- Established communication between MongoDB and ExpressJS framework to service requests

Document Classifier *[TF-IDF, python, SVM, KNN, Naïve Bayes, Logistic Regression]* — August 2018 – December 2018 | Git

- Developed a classification model to automate labelling of documents based on content using machine learning approach
- Used BBC news dataset containing more than 2000 articles of 5 various categories for training
- Trained KNN, SVM, Multinomial Naive Bayes and Logistic Regression Model and tested on FOX news dataset
- Calculated accuracy by K-fold cross validation and evaluated each model using confusion matrix

EzzyGo *[Java EE, Spring, Hibernate, MySQL, MVC architecture, JSP, JSTL, HTML]* — December 2015 – January 2016 | Git

- Established a SQL-Java EE based online environment for the bus ticket reservation system using Spring MVC
- Involved in creating the Hibernate POJO objects and mapped using Hibernate annotations for data persistence
- Configured JavaMail API to send ticket as an email upon successful reservation

CERTIFICATION AND AWARDS

- Oracle Certified Associate, Java SE 8 Programmer — December 2019
- Coursera deeplearning.ai Certification - Neural Networks and Deep Learning — April 2019
- Awarded scholarship by SUNY Research Foundation for Research Assistant position, Albany — Fall 2018
- 3rd position (out of 100 teams), National round of I-Touch Robotic Arm at Indo-US Robo League, Mumbai — March 2014