

ASTHA SHAH

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EDUCATION

Northeastern University | Boston, MA

Dec 2019

Master of Science in Information Systems

- *Relevant Courses:* Web Design and UI, Web Development Tools, Big Data Engineering, User Experience Tools and Test

Gujarat Technological University | Ahmedabad, India

June 2017

Bachelor of Engineering in Computer Engineering

- *Relevant Courses:* Software Engineering, Database Management System, Web Technology, Data Structures

SKILLS

Languages:	Java, JavaScript, Python, NoSQL
Web Technologies:	HTML5, CSS3, SASS, React, Angular, NodeJS, Express.js, Bootstrap, Django, AJAX
Frameworks:	Swing, Spring MVC, Hibernate, Bootstrap, Restful Webservices
Databases and Big Data Technologies:	MySQL, MongoDB, Oracle, MS SQL, Hadoop, HBase, MapReduce, Hive, Pig
Tools/Miscellaneous:	Git, GitHub, Bitbucket, Postman, Visual Studio Code, IntelliJ, NetBeans, Tomcat
Development Life Cycle:	Agile Software Development-Scrum, Waterfall Model, SDLC

PROFESSIONAL EXPERIENCE

Dodoc, Boston, MA

May 2018 – Dec 2018

Software Developer Intern (Python, Django, JavaScript, HTML, CSS, Bootstrap)

- Developed a real time authoring tool with Django framework for helping team to get automated and ready to publish document layout within seconds
- Collaborated with frontend team and revamped Web UI, utilizing JavaScript, HTML, CSS and NodeJS for improving product's user experience in market
- Implemented Python script to query data from JSON/XML files and present it to the user in a compelling, well designed documents making the documentation process 70% faster

MyTechway Solutions, Ahmedabad, India

July 2016 – Oct 2016

Web Developer Intern (ReactJS, Redux, HTML, CSS, NodeJS, MongoDB)

- Developed and designed frontend React Bootstrap components for an ecommerce application increasing business by 60%
- Implemented an application level code to interact with APIs, Webservices and improve website load time

ACADEMIC PROJECTS

Cloud Resource Scheduling Optimization | Java, Swing

Jul 2019 – Aug 2019

- Utilized Particle Swarm Optimization to optimize the resource scheduling for an application in Cloud
- Analyzed different application workflows by varying its computation and communication cost to minimize total cost

Hotel Review Analysis | Big Data, MapReduce, MongoDB

Jan 2019 – Apr 2019

- Performed multiple HDFS operations and MapReduce in Hadoop, EMR, Pig, Hive for exploratory data analysis
- Built a "Hotel Recommender System" utilizing Apache Mahout based on the similarity measures among customer reviews

Insurance Plan Service | Spring boot, JSON, Redis, Elastic Search

Jan 2019 – Apr 2019

- Performed Elastic Search using REST API's for Insurance plan and stored valid plans in Redis Database

House Rental | Angular, NodeJS, Express.js, SASS, MongoDB, Google Maps

May 2018 – June 2018

- Spearheaded a team of 3 to develop a real-estate web application with role-based access control using Angular, SASS, NodeJS and Express.js to search, rent and sell apartments
- Created RESTful webservice for fetching appropriate data using Node.js and MongoDB and utilized Google Map API for filtering properties based on user queried zip code

Bookstore Application | Spring MVC, Hibernate, JavaScript, HTML, CSS, MySQL

Jan 2018 – Apr 2018

- Designed a web application using Spring MVC and Hibernate incorporating role-based access that provides detailed information about books, its status and loan information of members

Farming and Health Management System | Java, Swing, DB4OUtil

Nov 2017 – Dec 2017

- Leveraged singleton design pattern strategies for vaccines and fertilizer distribution management between government, hospitals, farmers and soil experts
- Predicted the need of vaccines and fertilizers in particular areas based on the soil evaluation and health records
- Provided a chat option for the farmers to communicate with soil experts and doctors for a better guidance

Airline Reservation System | SQL, MySQL Workbench

Nov 2017 – Dec 2017

- Designed an airline reservation database landscape for recording and maintaining reservation details
- Automated process of checking, booking and payment with SQL triggers, views and stored procedures