

# SAGAR PARESH SHAH

[shah.sagar@northeastern.edu](mailto:shah.sagar@northeastern.edu) | [www.linkedin.com/in/shahsagar95](https://www.linkedin.com/in/shahsagar95) | <https://github.com/sagarshah95>

75 Peterborough, Boston, MA | (857)-869-4969

## EDUCATION

---

**Northeastern University, Boston | Masters of Science in Information Systems** **Expected May 2021**  
**Relevant Courses:** Application Engineering Development using Java, Data Science Engineering tools and methods using Python, Database Management and Database Design, Web Development Tools and Methods

**Mumbai University, India | Bachelor of Engineering in Electronics and Telecommunications** **Aug 2017**  
**Relevant Courses:** Object Oriented Programming, Structured Programming Approach, Data Structures and Algorithms

## TECHNICAL SKILLS

---

**Programming skills** : Java SE, Java EE, Python, C, C++, VB Script, SQL, RPA  
**Web technologies** : HTML, CSS, JavaScript, Angular, Node JS, React, JSON, AJAX, jQuery, SOAP API, REST API, XML  
**Software tools** : Eclipse, NetBeans, AWS, Automation Anywhere, UI Path, GIT, SVN, Jenkins, Docker, Kubernetes, JIRA  
**Databases** : MySQL, MS SQL Server, MongoDB, PostgreSQL, Oracle 11g, NoSQL  
**Frameworks** : Spring, Spring MVC, Swing, Hibernate, Machine Learning, ML Algorithms, Hadoop, Hive, Spark  
**ML Packages** : NumPy, SciPy, Pandas, Matplotlib, Seaborn, Beautiful Soup, scikit-learn, TensorFlow, caret, NLP

## WORK EXPERIENCE

---

**JP MORGAN CHASE & CO, United States (Software Engineering Virtual Internship, InsideSherpa)** **April 2020**  

- Built interface with stock price data feed & set up system for data analysis using Python, Git, React, Node.js & financial data
- Implemented perspective, web application framework for data visualization & improvised it on JP Morgan chase's model

**INFOGAIN, India (SOFTWARE ENGINEER)** **July 2018 - May 2019**  
**Microsoft Exchange Web Services for Sending/Receiving mails** | RPA, UI PATH, XML, VB Script, SOAP API, MS EWS, SQL  

- Devised a solution wherein only one MS Outlook authorized (licensed) account existed and others will be shared user accounts
- Resulted in saving approximately **\$50K** annually for **50 VMs** (Cost of licensed account per VM is **\$1000**)

**Contract Mismatch Process** | RPA, Automation Anywhere, VB Script, XML, SQL, SMTP Protocol  

- Automated a business process for identifying mismatched data in legal contracts for SAP application
- Achieved minimum downtime saving **50 hours per week** along with obtaining an accuracy of **99.8%** for **NETAPP**

**INFOGAIN INDIA PVT LTD, Mumbai (SOFTWARE ENGINEER TRAINEE)** **Aug 2017 - June 2018**  
**Online Student Management Portal** | Java EE, Hibernate, REST API, Angular JS, Eclipse IDE, Postman, SQL, HTML, CSS  

- Engineered online student management application which included 3 roles as Admin, Teacher and Student
- Built REST API for response in JSON format, maintained database using Hibernate & frontend by HTML, CSS, JavaScript

**JBoss-Migration** | Core Java & J2EE, Eclipse, Spring, Oracle 11g, SQL, Jenkins  

- Updated code including services like MDB, EJB, Java, REST and SOAP web services of JBoss5 and made it compatible to Jboss7
- Migrated Spring code and megen jobs, helped in server setup and server deployment specific to **MITCHELL**

## ACADEMIC PROJECTS

---

**Rental App** | Angular, MongoDB, Node.js, JavaScript, Bootstrap **May 2020 - Present**  

- Developed a MEAN stack single page web application which offers renting services to college students
- Leveraged HTTP client module to fetch data from Node.js server and used NoSQL database MongoDB for data persistence

**Airline Travel Agency Application** | Spring MVC, Hibernate, Tomcat, JSP, Annotations, REST API, SQL **Jan 2020 - April 2020**  

- Crafted an application to provide best deals for flight bookings for customers which will be **60%** faster than existing applications
- Led a team of 4 and developed an application workflow using push/pull protocol for organizations to communicate internally

**Pregnancy Tracking and Mortality Reinforcement System** | Java, DB4O.util, JFreeChart, SMTP Protocol **Sept 2019 - Dec 2019**  

- Piloted a team of 3 and devised a tracking system using DB4O.util and Ecosystem model for analyzing pregnant women in rural areas
- Created Work Request Queues, implemented Work Request for data transfer and inventory update between Organizations/Enterprises

**Analysis on Harry Potter series using Text Mining and NLP** | Python, Anaconda Navigator **Nov 2019 - Dec 2019**  

- Performed **Sentimental analysis** and various **NLP** & Text Mining algorithms on Harry Potter series to extract summary of each book
- Implemented word cloud, **stemming**, **lemmatization**, **bag of words**, **word2Vec**, **word frequency** & estimated character relationships

## ACHIEVEMENTS AND CERTIFICATIONS

---

- State level technical publication on “**Gestured Controlled Television (Smart Television)**” at Journal “**DJ SPARK**”
- Awarded **25K INR** for increasing revenue of **INFOGAIN** by **\$710K** by developing multiple real time projects with the team
- Participated in **Global HACKATHON Challenge by VINCX Group** & was ranked **40<sup>th</sup>** globally
- Certified in **Advanced Automation Anywhere, UI Path Developer Diploma, Java Application Developer, Python**