

# PARTH AJAY SONI

Boston, MA · 857-800-5906

soni.pa@northeastern.edu | [www.linkedin.com/in/ParthAjaySoni](https://www.linkedin.com/in/ParthAjaySoni) | <https://github.com/PARTHSONI95>



## EDUCATION

**MASTER OF SCIENCE IN INFORMATION SYSTEMS, Northeastern University | Boston, MA**

**EXPECTED MAY 2021**

- Relevant Coursework: Program Structure and Algorithms, Web Development Tools and Methods, Cloud Computing and Network Structures, Big Data Engineering
- **Research Assistant:** Entrepreneurship and Innovation Department (FEB 2020 - PRESENT)
- **GPA: 3.6**

**BACHELOR OF ENGINEERING IN COMPUTER SCIENCE, Mumbai University | Mumbai, MH**

**JULY 2016**

- **GPA: 3.7**

## TECHNICAL SKILLS AND CERTIFICATIONS

- **Programming Languages:** Java 8, Python, R, JavaScript, C, Bash, Android, C#
- **Databases:** PostgreSQL, SQL, SQLite, Oracle, MongoDB, Apache Solr, Neo4j
- **Servers:** JBoss, Apache HTTP, Tomcat
- **Version Control Tools:** Git, SVN, Bitbucket
- **Cloud Platform:** Amazon Web Services, Azure, Terraform
- **Big Data:** Hadoop, HDFS, MapReduce, Hive, Pig, Sqoop, Oozie, Zookeeper, Mahout, HBase, Spark, Shark, Phoenix
- **Web Technologies:** HTML5, CSS3, Node.js, React.js, AngularJS, JSP, Bootstrap, JQuery, PHP, AJAX, Patternfly, SASS, Redux, TypeScript
- **Testing Tools:** JMeter, Selenium, JUnit, Mocha, Chai
- **Containers, Clusters:** Docker, OpenShift, Kubernetes
- **Other technologies and frameworks:** Spring MVC, Jenkins, Redis, Hibernate, Hystrix, Spring Boot, Maven, SonarQube, JSON, XML, YAML, Chef, Puppet, Ansible
- **Certifications:** Android, .NET fundamentals

## PROFESSIONAL EXPERIENCE

**AI SOFTWARE DEVELOPER INTERN, Red Hat | Boston, MA**

**MAY 2020 — AUG 2020**

- Project: “**Open Data Hub**”, a Data & AI Platform for the Hybrid Cloud
- Designed and developed dashboard for open data hub installed items using **ReactJS** and **NodeJS**. Moreover, created docker image using s2i builder and deployed on **OpenShift** cluster
- Automated and streamlined dashboard deployment using Kustomize template in Open Data Hub Operator on OpenShift
- Created static website for Open Data Hub and landscape pages using **GatsbyJS**

**SOFTWARE DEVELOPER, Tata Consultancy Services | Mumbai, MH**

**NOV 2016 — AUG 2019**

- Project: “**Ultimatix Enterprise Search**”, an ERP Portal for Employee Services
- Researched and contributed in microservice architecture implementation using **Spring Boot** and **Hystrix** as fault tolerant
- Implemented **Redis** caching service to optimize the search results and tested performance using **JMeter** tool
- Achieved **Docker** implementation to hone the utilization of resources and automate the deployment process
- Participated in optimizing search algorithm using latest **solr** 7.4 framework
- Received a '**Best Team Award**' in 2017 for making automated deployment using CI/CD in DevOps

## ACADEMIC PROJECTS

**Cloud Native Web Project – Node.js, AWS, Terraform, Packer, GitHub, Ubuntu (Linux)**

**SEP 2020 — DEC 2020**

- Developed RESTful web application in Node.js hosted on AWS platform using IaaS, PaaS and SaaS services such as **EC2, VPC, ELB, Route53, RDS, S3, DynamoDB, AWS Lambda, IAM, SNS, SES, SQS, CloudWatch, ASG** automated with Terraform and Packer
- Implemented Continuous Integration - Continuous Delivery (CI/CD) using **GitHub Actions & AWS CodeDeploy**
- Added event-driven notifications using SNS, SES, AWS Lambda and DynamoDB

**Live Blood Social Project – Java, Spring MVC, Hibernate, JSP, MySQL, Maven, Web technologies**

**JAN 2020 — APR 2020**

- Designed and developed admin panel to manage government, blood banks, app users and their cardinalities
- Devised RESTful optimized search mechanism to get nearest blood banks with live blood count justifying reality by using Google API's. Integrated with pills reminder as well as emergency message system between the users

**Data Science project using Natural Language Processing – Python, Machine Learning, NLTK, Tableau**

**SEP 2019 — DEC 2019**

- Coded cosine similarity to analyze the difference between two different books' summary of the same author
- Created a model which analyzed around 12,000 book summaries with different genres. After making the model train on the provided dataset, it predicts the genre of a new book input to the model

## PUBLICATION

**Health care application for Android smartphones using the Internet of Things**

**MAR 2016**

- **Electronic ISBN:** 978-9-3805-4421-2
- Presented at 2016 3rd International Conference on Computing for Sustainable Global Development
- Published the paper in “Institute of Electrical and Electronics Engineers” Xplore