ABHINAV AGRAWAL

(857) 891-4666 • agrawal.abhi@husky.neu.edu • https://abhinavagrawal.in • **Availability: May - Dec 2019**

EDUCATION

Northeastern University, Boston, MA - Master of Science in Computer Science   May 2020
Related Courses: Program Design Paradigms, Database Sytems

Manipal Institute of Technology, Manipal, India - Bachelor's Degree in Information Technology   May 2017
Related Courses: Database Systems, OOPs, Information Retrieval, Operating Systems, Internet Technologies

TECHNICAL KNOWLEDGE

Languages:	Java, Python, JS, HTML5, CSS3, SQL, NoSQL, PHP, Bash, C++, LaTeX
Frameworks & Libraries:	Spring, Angular5, Bootstrap, D3.js, ExpressJS, JQuery, Pandas, PyMongo
Databases:	MySQL, MongoDB, MS SQL Server, Oracle 10g
Cloud & DevOps:	Google Cloud Platform, AWS Elastic BeanStalk, Digital Ocean, Git, Docker, Jenkins

WORK EXPERIENCE

BlackRock Services India Private Limited, Analyst, Gurgaon, India   Aug 2017 - Apr 2018
- Assisted in revamping the existing monolithic architecture to a **Container**-ready architecture using **Microservices**; Researched pros and cons of OAuth, SAML, Single Sign On, NginX, Apache for the new architecture.
- Created generic Angular 5 components for developers; Developed front-end views for displaying analysis reports.
- Deployed back-end APIs using Spring; Executed NoSQL queries to fetch data from Cassandra DB.
- Devised Groovy scripts to setup projects on Jenkins and Sonar; Enforced Gitflow Workflow for all projects.

BlackRock Services India Private Limited, Software Developer Intern, Gurgaon, India.   Jan - Jul 2017
- Fixed all information security issues found across **Java, JS, JBoss and Apache Config** in the web-apps.
- Liaised with teams across global offices to implement and deploy fixes; Conducted monthly con-calls.
- Conducted python sessions within the team to help automate application health checks and maintenance.

Siemens Industry Software (India) Pvt. Ltd., Technical Intern, Gurgaon, India.   Jun - Jul 2016
- Created a JAVA file parser to extract geometry and metadata from JT open file format (used for 3D modeling).
- Extended the tool using **Blender Python API** to enable lossless imports of files into Blender rendering tool.

PROJECTS

Symphony Chat Summarizer, BlackRock Services India Private Limited, Gurgaon, India   Apr 2018
- Developed a **Text Summarization** engine for Symphony chat-application during an internal hackathon.
- Implemented **Text-Rank** algorithm on python to extract the most relevant messages from a conversation.
- Created conversation clusters on the basis of date and time via K-Means clustering algorithm.

Career Portal, Manipal Academy of Higher Education University, Manipal, India   2016-2017
- Oversaw the college career portal team which maintained the official website used by 3000+ users each year.
- Developed the web-app on **LAMP** stack; Deployed the application via NginX on a dedicated **Linux** server.

CodeTrip, Manipal Academy of Higher Education University, Manipal, India   Oct 2016
- Suggested trip routes between input cities using **ScikitLearn Model Evaluation API** and Pandas.
- Developed an **Angular 2** web-app with **Google Maps JavaScript API** to interactively input cities.

BuzzMiner, Manipal Academy of Higher Education University, Manipal, India   Apr 2016
- Created a web app to suggest ideal locations for a mobile phone launch on the basis of social media feedback.
- Implemented Naive Bayes Algorithm in PHP to perform **Sentiment Analysis** on tweets across each country.

The Book Hub (Pet Project), Manipal, India   2014-2016
- Devised a solution for the lack of libraries in Manipal by initiating an online repository of e-books.
- Extended the website to facilitate lending and purchase of physical copies within the college campus.
- Recruited and managed a team of 15 students; Reached a peak rate of 10 thousand visitors per month.