

# ABHINAV AGRAWAL

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## EDUCATION

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**Northeastern University**, Boston, MA September 2018 - May 2020 (Expected)  
Candidate for a Master of Science in Computer Science  
Related Courses: Program Design Paradigms, Database Systems

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

## TECHNICAL KNOWLEDGE

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**Languages:** Java, Python, JS, HTML5, CSS3, SQL, NoSQL, PHP, Bash, C++, L<sup>A</sup>T<sub>E</sub>X  
**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, Git, Docker, Jenkins

## WORK EXPERIENCE

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**BlackRock Services India Private Limited**, Analyst, Gurgaon, India. Aug 2017 - Apr 2018

- Devised generic Angular 5 components for developers; Designed front-end views for displaying analytics.
- 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**, Intern, Gurgaon, India. Jan - Jul 2017

- Fixed all information security issues found across **Java, JS, JBoss and Apache Config** in web-apps.
- Liaised with teams across global offices to execute and deploy fixes; Conducted monthly con-calls.
- Conducted python sessions to help team automate application health checks and maintenance.

**Siemens Industry Software (India) Pvt. Ltd.**, Technical Intern, Gurgaon, India. Jun - Jul 2016

- Built a JAVA file parser to extract geometry and metadata from JT open file format (3D modeling).
- Further leveraged **Blender Python API** to enable lossless imports of files into Blender rendering tool.

## PROJECTS

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**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.
- Clustered conversation on the basis of date and time by leveraging K-Means clustering algorithm.

**Career Portal**, Manipal Academy of Higher Education University, Manipal, India. 2016-2017

- Oversaw the college career portal team; Maintained the official website with 3000+ users each year.
- Developed the web-app on **LAMP** stack; Deployed 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 according to social media feedback.
- Implemented Naive Bayes Algorithm to perform **Sentiment Analysis** on tweets across each country.

**The Book Hub** (Pet Project), Manipal, India. 2014-2016

- Devised a solution for lack of libraries in Manipal by initiating an online repository of e-books.
- Added new features to facilitate lending and purchase of physical copies within college campus.
- Recruited and managed a team of 15 students; Reached a peak rate of 10 thousand visitors per month.

## EXTRACURRICULAR

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Guitar, Reading, Freelancing (Web-Dev), Traveling