

# 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 (3.8 GPA)

Related Courses: Algorithms, Database Systems, Managing Software Development

**Manipal Institute of Technology**, Manipal, India

May 2017

Bachelor's Degree in Information Technology

Related Courses: Object Oriented Programming, Information Retrieval, Operating Systems

## TECHNICAL KNOWLEDGE

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| <b>Languages:</b>                  | Java, Python, JS, HTML5, CSS3, SQL, NoSQL, PHP, Bash, C++, L <sup>A</sup> T <sub>E</sub> X |
| <b>Frameworks &amp; Libraries:</b> | Spring, Angular5, Bootstrap, D3.js, ExpressJS, JQuery, Pandas, PyMongo                     |
| <b>Databases:</b>                  | MySQL, MongoDB, MS SQL Server, Oracle 10g  |
| <b>Cloud &amp; DevOps:</b>         | 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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**RollUp**, YaleHacks 2018, New Haven, CT

Dec 2018

- Developed a **Chat Summarization** engine integrated as a Slack Bot for YaleHacks 2018 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.

**BookIt**, Northeastern University, Boston, MA

Dec 2018

- Developed a ticket reservation system on **MEAN** stack, deployed using **TravisCI** on **Github Pages**
- Added authorization and features for Admin, User, Vendor, Guest and Usher in the application.

**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.

**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