ABHINAV AGRAWAL

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EDUCATION

Northeastern University, Boston, MA September 2018 - May 2020 (Expected)
Candidate for a Master of Science in Computer Science (CGPA 3.8)
Related Courses: Algorithms, Database Systems, Web-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

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, Git, Docker, Jenkins

WORK EXPERIENCE

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

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

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