

# ABHINAV AGRAWAL

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## EDUCATION

**Northeastern University**, Boston, MA Sep 2018 - Dec 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 Aug 2013 - May 2017  
Bachelor's Degree in Information Technology  
Related Courses: Object Oriented Programming, Data Structures, Algorithms, Advanced Java

## TECHNICAL KNOWLEDGE

**Languages:** Java, Python, JS, HTML5, CSS3, SQL, NoSQL, PHP, Bash, C++,  $\text{\LaTeX}$   
**Frameworks & Libraries:** Spring, Angular5, Bootstrap, ExpressJS, JQuery  
**Databases:** Oracle, MongoDB, Firebase Realtime Database, MS SQL Server  
**Cloud & DevOps:** Google Cloud Platform, Git, Docker, Jenkins, TravisCI, SonarQube

## WORK EXPERIENCE

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

- Engineered generic **Angular5** components and stylesheet to maintain same theme across all web-apps.
- Assisted in devising a microservices based **container-ready** platform to combine these apps as SPA.
- Set up a **monorepo** and enforced **GitFlow Workflow** to unify **Jenkins** build for all app-owners.

**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.

**College of Professional Studies, NEU**, Lab Instructor, Boston, MA Jan 2019 - Present

- Giving lectures and guiding students for the course "Programming Foundations for Digital Media"
- Designing course material, guiding students on topics including HTML/CSS/Javascript and libraries like SVG/P5.

**Khoury College of Computer Sciences, NEU**, Graduate Teaching Assistant, Boston, MA Jan 2019 - Present

- Designing course material and examinations for "Introduction to Web Development"
- Guide students on topics including HTML/CSS/Javascript and PHP/MySQL.

## PROJECTS & HACKATHONS

**RollUp**, YaleHacks 2018, New Haven, CT Dec 2018

- Developed a **Text Summarization** engine to save time by providing a summary of Slack Channels.
- Implemented **Text-Rank** algorithm on **Django** server to extract the most relevant messages.

**BookIt**, Northeastern University, Boston, MA Dec 2018

- Developed a ticket reservation system with **Node** server, Angular5 front-end.
- Deployed the application using **TravisCI** on Google **Firebase**.

**CodeTrip**, AngelHack 2016, Manipal, India. Oct 2016

- Developed an Angular web-app with **GMaps JavaScript API** to help users plan a road trip.
- Used **ScikitLearn** Model Evaluation API to generate routes based on weighted factors.

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

- Devised a web app on **LAMP** stack to facilitate lending and purchase of books on our college campus.
- Setup **Google Analytics** and optimized **SEO** to reach a peak rate of approx. 10,000 monthly visitors.
- Recruited and managed a team of 15 students to expand the website with a **Wordpress** blog.