


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++, L ^A T _E 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

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

- Designing course material and conducting lab sessions for "Programming Foundations for Digital Media".

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 simplify release process 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.

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 python to extract the most relevant messages from conversations.
- Grouped chats 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.

CodeTrip, AngelHack 2016, 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.