

ABHINAV AGRAWAL

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EDUCATION

Northeastern University, College of Computer and Information Science, Boston, MA May 2020
Candidate for a Master of Science in Computer Science

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

Languages:	Java, Python , JS, HTML, CSS, SQL, NoSQL, PHP, C++, C#
Frameworks:	Spring, Angular , Bootstrap, D3.js
Databases:	MySQL , MongoDB, MS SQL Server
DevOps:	Git, Docker, Jenkins, Jekyll

WORK EXPERIENCE

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

- Assisted in revamping the existing monolithic architecture to a **Container**-ready architecture using **Microservices** and developing **Angular 5** web-applications on the same.
- Developed **Spring** based APIs for the Institutional Clients self-help portals.

BlackRock Services India Private Limited, Software Developer Intern, Gurgaon, India. Jan - Jul 2017

- Fixed all Information Security issues found across **Java, JS, and Apache Config** layers during external penetration tests of client facing web-applications.
- Liaised with teams across global offices to implement the fixes and deploy applications.

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

- Created a file parser on **Java** for the JT open file format (used for 3D modelling).
- Extended the tool using **Blender Python API** to enable lossless import of the file into **Blender**, an open-source 3D rendering software.

PROJECTS

Symphony Chat Summarizer, BlackRock Services India Private Limited, Gurgaon, India Apr, 2018

- Developed a **Text Summarization** engine for Symphony during an internal hackathon.
- Implemented Text-Rank algorithm - an adaptation of Google's PageRank algorithm using **python** to extract the most relevant messages from a conversation.

CodeTrip, Manipal Academy of Higher Education University, Manipal, India Oct, 2016

- Provided suggestions for trip routes between input cities using **ScikitLearn Model Evaluation API**.
- Developed the front end using **Angular** and **Google Maps JavaScript API**.

BuzzMiner, Manipal Academy of Higher Education University, Manipal, India Apr 2016

- Provided location suggestions for the launch of a mobile phone by applying **Sentiment Analysis** on tweets across each location.
- Developed a web app to display the results using **PHP**.

The Book Hub, Manipal Academy of Higher Education University, Manipal, India 2014-2017

- Developed a **PHP** based web app with acts as a repository of e-books and a facilitator for purchase/lending physical copies within the college campus; Recruited a team of 15 students to assist in publicity and content.
- Deployed the application on a **Linux** Server on **DigitalOcean** and handled firewall and load-balancing via **Cloudflare**.

Placement Portal, Manipal Academy of Higher Education University, Manipal, India 2016-2017

- Developed a **PHP and MySql** based web-application used for all placement related procedures at the college. It is used by 3000+ users each year.
- Deployed the application via **Nginx** on a dedicated **Linux** server on the campus intranet.