

Abhinav Agrawal

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QUALIFICATIONS

CURRENT M.Sc., Computer Science - Northeastern University, Boston (1st Year)
2013 - 2017 B.Tech., Information Technology - Manipal Institute of Technology, Manipal

LANGUAGES & SKILLS

FRONT-END JS, JQuery, Angular, HTML, CSS, Bootstrap
BACK-END NodeJS, PHP, SQL, JAVA, Python, MongoDB
DEVOPS Git, Docker, Jenkins
MISC Ubuntu, Jekyll, Apache
LANGUAGES English, Hindi, Bengali

PROJECTS

CODETRIP 2016	<i>Adaptive Road Trip Planner</i> A web application designed using Google Maps API that accepts a user's source and destination cities as input and suggests the ideal routes for a road trip. The suggestions are based on a scoring algorithm on various city factors and is implemented using Azure ML and ScikitLearn's Model Evaluation API. The project made it to the top 6 teams in the AngelHack 2016 Hackathon organised at MIT, Manipal.
BUZZMINER 2016	<i>A tool to suggest best locations for a mobile launch</i> A PHP based web-application that uses Twitter API to fetch tweets about a given mobile phone, and performs sentiment analysis using Naive Bayes algorithm. The algorithm then provides suggestions for the model's launch locations in descending order of probability of success. github.com/abhinavagrawal1995/buzzminer
THE BOOK HUB 2014-2017	<i>An online Library Tool</i> An online repository of e-books and a facilitator for purchase/lending physical copies within the college campus. The pure JavaScript website had an average of 250 visits per day across 20 countries. Also recruitment and managed a team of 15 developers, content-writers and graphic designers. github.com/abhinavagrawal1995/tbh
PLACEMENT PORTAL 2016-2017	<i>Placement Portal at Manipal Institute of Technology</i> A PHP based web-application used for all placement related procedures at the college. It is used by 3000+ users each year. Additionally set up an NGINX and firewall to host this portal on the campus intranet. It is used by 3000+ users each year.

WORK EXPERIENCE

AUG '17 - APR '18	Analyst at BLACKROCK INC., Gurgaon Assisted in revamping the existing monolithic architecture to a container-ready architecture and developing web-applications using Angular 5 on the same. Created Python scripts to automate internal processes. Developed Spring based APIs for the web-application used by Institutional Clients to view different types of reports about their assets at BlackRock.
JAN - JUL '17	Intern at BLACKROCK INC., Gurgaon Fixed all Information Security issues found across Java, JS, Sybase and Apache layers during external Penetration Tests of client facing web-applications.
JUN - JUL '16	Intern at SIEMENS INDIA, Gurgaon <i>GitHub - github.com/abhinavagrawal1995/JT-file-parser</i> Developed a JAVA parser for JT open file format (used for 3D modelling). Further extended the tool using Blender Python API to enable lossless import of the file into Blender, an open-source 3D rendering software.

