

Abhinav Agrawal

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QUALIFICATIONS

2013 - 2017 B.TECH IN INFORMATION TECHNOLOGY from MIT, Manipal

WORK EXPERIENCE

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| AUGUST 2017 - CURRENT | Analyst at BLACKROCK INC., Gurgaon
Assisting 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. |
| JANUARY - JULY 2017 | 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.
Developed Angular web-application for clients to view holding reports. |
| JUN - JUL 2016 | 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. |
| JUNE - JULY 2015 | Intern at CSA CONSULTANTS PVT. LTD., Kolkata
<i>GitHub - github.com/abhinavagrawal1995/csa</i>
Developed the company website using PHP, HTML and CSS.
Replaced the 3rd party web-host with a dedicated Linux server running Apache.
Setup firewall, mail and file sharing system for the Linux Server. |
| JUNE - JULY 2014 | Intern at HINDUSTAN COPPER LTD., Kolkata
Assisted in Database Management of the company's Oracle Database.
Developed PHP based tools which successfully reduced the workload of internal teams dependent on the database for daily processes. |

LEADERSHIP ROLES

The Book Hub - Owner-Developer at The Book Hub, an organisation established with the aim of promoting literature among youth. thebookhub.in was an online repository of e-books and a facilitator for purchase/lending physical copies within the college campus. The website had an average of 250 visits per day across 20 countries. My responsibilities included recruitment and management of a team of 15 developers, content-writers and graphic designers. 2014-2016

Placement Portal, MIT Manipal - Head Developer of the Placement Portal Team. This portal was deployed on the campus intranet and was used by students and faculty for all placement procedures in college. Responsibilities included development and maintenance of this portal, recruitment of students to the team and assigning tasks on ad hoc basis. 2015-2016

System Administration, MIT Manipal - Coordinator of the System Administration Team for the semi-annual college fests. The team was responsible for developing web portals to facilitate the work-flows of all categories of the fests, i.e. - registration, finance, results, ticket sales etc. The portals were used by over 5000 students. Additional responsibilities included - handling information security for the webserver, interviewing organisers for the category, and conducting workshops to teach the technologies used in these portals (HTML/PHP/SQL/Linux) to juniors. 2015-2016

PROJECTS

CODETRIP August - November 2016	<i>Adaptive Road Trip Planner</i> A web application designed to suggest the perfect route between the user's source and destination cities. The suggestions are based on a scoring algorithm on city factors designed 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.
CHATBOT August - November 2016	<i>Web based Chat Room with integrated WikiBot</i> A JSP application with a Spring MVC back-end server. It supports multiple asynchronous chat rooms, each with an embedded chat-bot that can detect when users ask a question and answer them by extracting relevant tokens and querying Wikipedia API accordingly.
BUZZMINER January - April 2016	<i>A tool to suggest best locations for a mobile launch</i> BuzzMiner is a web-application which crawls all 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
VENUE RESERVATION SYSTEM January - May 2016	<i>Official portal for reserving academic venues at MIT, Manipal</i> The project was a successful attempt to convert the paper-based venue allocation process to a faster online system. The features include checking availability of rooms according to time slots, submitting a request to book it, followed by a chain of approval by administrative users. The system was developed using Laravel Framework and is now deployed on the campus intranet. github.com/abhinavagrawal1995/rbs

TECHNICAL SKILLS AND COURSES

WEB -HTML, CSS, JS, PHP, JSP, SQL, Angular, NodeJS | PROGRAMMING -Python, JAVA, C++ | OTHER -Git, Linux, R

COURSES | *"Machine Learning"* by Stanford University (Coursera)
"Python Data Structures" by University of Michigan (Coursera)
"The Data Scientist's Toolbox" by Johns Hopkins University (Coursera)
"Network Management" by Nettech Private Ltd., Kolkata

ADDITIONAL INFO

LANGUAGES KNOWN English, Hindi, Bengali
HOBBIES Playing Guitar, Reading and Rowing
COMMUNITY SERVICE 2015-2016: Volunteer for Ek Sangharsh, a student NGO in Manipal
2014-2015: Volunteer for "Aashiyana - Home For The Homeless", an NGO in Kolkata