

DIVYA AGARWAL

agarwal.d@husky.neu.edu | (630) 313 9960 | LinkedIn Profile | GitHub Profile

Available: Jan 2018 - Aug 2018

EDUCATION

Northeastern University, Boston, USA

Jan 2017 - Present

College of Computer and Information Science

Expected Graduation: Dec 2018

Master of Science in Computer Science GPA: 3.7/4.0

Related Courses: Program Design Paradigm, Foundations of Artificial Intelligence, Algorithms, Building Scalable and Distributed Systems, Computer Vision

Osmania University, Hyderabad, India

May 2016

Bachelor of Engineering in Computer Science and Engineering

Related Courses: Database Management System, Data Structures and Algorithms, Web Development.

TECHNICAL KNOWLEDGE

Languages	C#, Java, Python, Angular JS, HTML5, CSS3, AJAX, XML, Racket, PL/SQL
Frameworks	Node.js, Heroku, MEAN Stack, AWS, Maven, Struts 2
Software	Visual Studio, Eclipse IDE, NetBeans, PyCharm, IntelliJ, Excel, Apache, GitHub
Databases	Oracle 9i, Oracle 10g, MySQL, MongoDB

WORK EXPERIENCE

Teaching Assistant, Programming Design Paradigm, Seattle, USA

June 2017 - Present

- Created Maven archetypes definition for submissions and other automated tasks for uploading, pulling and grading the assignments.
- Helping the professor come up with assignments and later writing test cases for the same. Conducting code walks and grading students' homework's.
- Conducting office hours to help the students with problems they are facing related to the course work. Language used: Java, Python.

Research Assistant, Professor Casper Hartevelde, Boston, USA

Feb 2017 - May 2017

- *Mixed Reality*: Deployed and fully built a logging system in C# for the game.
- Integrated the current game on Unity3D with android version of the game.

Software Development Engineer, Hyderabad, India

July 2015 - Dec2016

Think Tankers Innovative Solutions

- Designed database schemas for two projects and devised new unique key algorithms.
- Interacted directly with client for the new requirements to understand the market need.
- Developed web application for smart schools using Python, PHP, MYSQL, HTML, JavaScript, JQuery.
- Implemented a dynamic and analytical tool for attendance monitoring of the employees of the Company.
- Worked on creating our own drive, editor and chat bot for the ThinkBoard web application.

ACADEMIC PROJECTS

Civic Learning

May 2017

- Hack for Democracy winners at MIT GOV Labs. Now a MIT GOV Lab sponsored project.
- Collected the information on the web using web scrapping and filtered it using text mining. Also, implemented the backend using Django and Python.

Stock Price Prediction

Apr 2017 - May 2017

- Built a stock price predicting neural network model to predict the opening stock prices of the next day based on various features.
- Used the data available on Yahoo Finance to train the model using data from past 16 years. Achieved 78.6% accuracy. Used the latest technologies like Tensor Flow, Keras, Python.

Data Analysis of Forest Inventory with Special Emphasis on Bamboo Enumeration

June 2012 - July 2013

National Informatics Centre, Hyderabad, India

- Created an analytic model that generates dynamic reports using the GIS database of the Forest department of Telangana State.
- Used R Language for data analysis, .NET and C# for creating a web platform to display the reports and collect the data in form of web forms.