PARTH GARGAVA

11 Burney St, Boston, MA 02115 | 617.803.4923 | gargava.p@husky.neu.edu

Education

(2018)Northeastern University, Boston, MA

(GPA: 3.7/4.0) Master of Science in Information Systems

Concentration: Web tools, advanced data science, application engineering development

Center for Development of Advanced Computing, India (2016)

Graduate Diploma in Advanced Computing (GPA: 3.9/4.0)

Jaypee Institute of Information Technology (JIIT), India (2015)

Bachelor of Technology in Computer Science and Engineering (GPA: 3.6/4.0)

Courses: Machine learning, Big Data Systems, Distributed Computing, OOPS, Data Structures

Skills

-Machine learning: Neural Networks, Regression models, MapReduce, SVM, deep learning systems

-Language: Java, J2EE, C, C++, C#, Python, R -Frameworks: Spring (AOP, MVC), Hibernate, Struts, JSP

-Web Technologies: HTML5, Bootstrap, JavaScript, SEO -Database: Oracle 11g, SQL, MongoDB, Postgres

Experience (Software **Engineer**) (2014-2016)

Center for Development of Advanced Computing, Ministry of Communication and Information Technology, India

1. Optical Handwritten Character Recognition System using RNN

-Developed modules and tools on Online Hand-written Character Recognition (OHCR) Systems in the Graphic and

Intelligence based Scripting Department using Recurrent Neural Networks (deep learning system)

-Increased recognition accuracy of OHCR system from 95.6% to 97%

2.Non-invasive Brain Computer Interface System using Arduino microcontroller

-Designed a real time system to control an Arduino robot using a non-invasive Brain Computer Interface System based

on band-power features and Support Vector Machine classifier with an accuracy of 96%

-Patent filed to Intellectual Property of India (IPI) and recipient of Skoch Order of Merit award 2015

(Data Analyst)

IntelliBookkeeping (www.intellibookkeeping.com), Cambridge, MA (2016)

-Led data analytics team to increase the profit by 10% by suggesting decisions after tracking organic web traffic using ML

(Student)

Northeastern University, Boston

(2016)1. Developed an end-to-end application on predictive healthcare for customers with special emphasis on health insurance costs based on live data from fitness wearables, city indicators and electronic medical records

-Used multilayer perceptron network, regression models and KNN algorithm as machine learning tools for implementation

(Web developer)

Ali colors (www.alicolours.com)

(2013)-Implemented backend of website and Search Engine Optimization using automated meta-tags generation and white hat

SEO techniques; Used Google analytics to identify trends and offer discounts to customers

Publications

- Controlling an Arduino robot using Brain Computer Interface. (IEEE ICRITO'14)

Received best paper award in track 'Artificial Intelligence'

- Special projection Interfacing Device for Enhanced Routing (IEEE ICACCI'14)

- Brain Computer Interface for Micro-controller Driven Robot Using Emotiv Sensors.

(International Journal of Interactive Multimedia and Artificial intelligence'14)

Certifications

-Completed Coursera MOOCs on: Machine Learning (scored 92.7%), Big Data and Web intelligence & learning from data

Leadership **Skills**

- Presided over 39 Model United Nations Conferences as Chairperson; Served as the Vice President of Student Council (JIIT)

-Received the International Award for Young People by Duke of Edinburgh; Active member of Child Rights and You NGO