Chandan Saha

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EDUCATION

RUTGERS UNIVERSITY, NEW BRUNSWICK , NJ
Master's in Business and Science
Data Science and Analytics
May 2017(Expected)

VIT UNIVERSITY
Computer Science
April 2011 | Vellore, IN

SKILLS

PROGRAMMING
Python • C++• Scala

DATA SCIENCE
Machine Learning • Deep learning • Regression Analysis

DATABASES
SQL • Hive • NoSQL

BIG DATA
Hadoop • Map/Reduce • Apache Spark

STATISTICAL TOOLS
R • Matlab• SAS

DATA VISUALIZATION
Tableau • D3.JS

COURSEWORK

GRADUATE
Machine Learning
Pattern Recognition
Applied Statistics
Regression Analysis
Fundamental of Analytics
Big Data and Cloud Computing

UNDERGRADUATE
Algorithm and Data structure
Artificial Intelligence
Advance Database Management

LINKS

Github:// **Chandan**
LinkedIn:// **Chandan**

Work Authorization
F1-Student
Relocation : Yes
OPT : 36 Months

EXPERIENCE

CAIT | Research Assistant Intern
October 2016 - Present | Rutgers University , New Brunswick , NJ
- Statistical/Predictive modeling for **Long-Term Bridge Performance** project to do Survival analysis on national bridges in United States.

RUTGERS DISCOVERY INFORMATICS INSTITUTE | Research Assistant
June 2016 - August 2016 | Rutgers University, New Brunswick , NJ

- Benchmarking of in-memory processing for **clustering and optimization of large Graph Database** for 100 + machines.
- Technology used: Apache Spark , Scala.

INTEL CORPORATION | Software Developer & Lead
April 2011 – July 2015 | Enterprise Development Team
- Developed responsive, large scale Enterprise applications which enhanced productivity and user experience for various applications across Intel IT.
- Technology used: **SQL, C++, JavaScript(AngularJS)** , SAP .

INTEL CORPORATION | Software Developer Intern
September 2010 – April 2011 | Sales and Marketing IT
- Developed and upgraded features of **Customer Relationship Management** application , a customer facing Web Application for Intel Warranted Products Issue resolutions.
- Technology used: **SAP , Java** , Adobe Flex.

PROJECTS

- Developed **Real-time Traffic Sign Classifier** for self-driving cars using **Convolutional Neural Network** using python , caffe on GPU .
- Developed **Dynamic topic models** for monitoring business competition of Yelp restaurants using NMF , STC and LDA .
- Implemented **Predictive modeling** and analysis of global terrorism dataset using logistic regression. Classification of attack type based on Naïve Bayes, SVM and Random Forest classifiers in R.
- Developed **Document classification model** to identify potential closed issues in Stack Overflow Questions using LDA , NLP.
- Constructed logistic regression pipeline to predict **Ad Click Through Rate** prediction on Kaggle competition data using Apache Spark .
- Developed web application for global taxation using AngularJS and SQL web service for Intel US and Asia and will save $\approx$ **5 million in 5 Years** .
- Designed and implemented complex business changes events for forecasting inventory and logistic overhead for Intel customers to **reduce overhead cost by 5%.**

ACHIEVEMENTS

- Winner of the **Social Initiative Contest for cancer patients project** at Intel
- Winner of Code-A-Thon, a **Hackathon** organized by Intel Labs.
- Received **Asia Finance Divisional Recognition Award** for material handbook project to help Intel to mitigate significant risks to protect Intel's Duty Free Status in China.
- **Teaching assistant** at Vellore Institute of Technology.