Chandan Saha

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EDUCATION

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

VIT UNIVERSITY
Bachelor's in Computer Science
June 2011 | Vellore, IND

SKILLS

PROGRAMMING
Python • C++• Java

DATA SCIENCE
Machine Learning • Deep learning • Regression Analysis

DATABASE
SQL • Hive • NoSQL • Elasticsearch

BIG DATA
Hadoop • Map/Reduce • Apache Spark • Kafka

STATISTICAL TOOLS
R • Matlab • SAS

MISCELLANEOUS
Java Script • D3.js • Git

COURSEWORK

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

UNDERGRADUATE
Algorithm and Data structure
Artificial Intelligence
Advance Database Management

AWARDS

- Winner of **Social Initiative Contest** for cancer patients project at Intel.
- Winner of Code-A-Thon, a **Hackathon** organized by Intel Labs.

Relocation : Yes
F1-OPT : 36 Months

PROFESSIONAL EXPERIENCE (5 + YEARS)

CAIT , RUTGERS | Research Assistant - Data Scientist Intern
October 2016 - Present | Rutgers University , Piscataway , NJ
- Built Predictive model for Long-Term Bridge Performance project to do Survival analysis on national bridges in United States.
- Implemented **feature selection, survival probability and validation metrics** for 600,000 bridges across USA.
- Technology : **R , Python** , SQL Server , Java Script

RUTGERS DISCOVERY INFORMATICS INSTITUTE | Research Assistant
June 2016 - August 2016 | Rutgers University, Piscataway , NJ
- Benchmarking of in-memory processing for **Clustering and optimization of large Graph Database** in distributed machines.
- Technology : Scala, **Ingestion** : Kafka, **Storage** : Hadoop(HDFS), Batch Processing : **Apache Spark** - Geo-spatial search , **Database** : Cassandra.

INTEL CORPORATION | Software Developer
June 2011 – July 2015 (4.1 years) | Enterprise Development Team
- Led a team of 3 and developed for China material handbook project for Intel China and Vietnam users with **saving of $ 500k/year** .
- Designed complex business changes events for forecasting inventory and logistic overhead for Intel customers to **reduce overhead cost by 5%.**
- Building and mainitaining **Data pipeline , ETL processes** for for various ERP applications across Intel IT.
- Technology : **SQL , Java, JavaScript** (Angular JS , Node JS) , SAP , SAP HANA , **Hadoop** , BI Reporting , middle-ware technologies.

INTEL CORPORATION | Software Developer Intern
September 2010 – June 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: **SAP , Java** , HTML, Adobe Flex.

PROJECTS

- Developed **Real-time Traffic Sign Classifier** for self-driving cars based on Convolutional Neural Network using Caffe and Python . **Improved accuracy by ≈ 3% from state-of-art model.**
- Built a **scalable data pipeline** to recommend parking spots in real time based on the parking sensor data of San Francisco city. **EasyPark- Real-time parking** .
- Developed **Dynamic topic models** for monitoring business competition of Yelp restaurants using NonNegative Matrix Factorization, STC and LDA.
- Constructed logistic regression pipeline to predict Click Through Rate on **Kaggle competition** data based in Apache Spark .

ACHIEVEMENTS

- Received **Asia Finance Divisional Recognition Award** to protect Intel's Duty Free Status in China.
- Received **GATE scholarship** and taught computer science to under graduates and at Vellore Institute of Technology.
- Berkeley **Big Data XSeries - Apache Spark** certification.