

UTKARSH KUMAR SINGH

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EDUCATION

Indiana University (IU), Bloomington, IN, United States
Masters of Science in Data Science

GPA: 3.7/4.0

Expected May 2018

Relevant Coursework: Data Mining, Advanced Database Concepts, Introduction to Statistics, Exploratory Data Analysis, Data Analysis & Modelling in SAS, Social Media Mining

National Institute of Technology (NIT), Durgapur, India
Bachelor of Technology, Information Technology

GPA: 8.14/10

May 2016

Relevant Coursework: Database Management System, Data Structures & Algorithms

EXPERIENCE

Westfield Gas & Electric, MA

Summer 2017

Data Analyst Intern

- Worked on **Smart Meter Data Analysis** project whose aim was to analyze smart meter data and get some important insights on electricity usage for utility as well as customers.
- Installed the latest stable version Apache Hadoop-2.8.0 on the Oracle VM Virtual box (OS-UBUNTU) and its other dependency Softwares.
- Ran test cases to check whether all important components of Hadoop are working fine or not so as to be used for future data analysis purposes.
- Worked on latest version Apache Flume 1.7.0 and completed batch ingestion of smart meter data into HDFS using a flume agent.

Summer 2015

National Informatics Centre (NIC), Delhi
Summer Trainee

- Worked on the Project **Manpower Management & Tracking System** whose aim is to track the people working within an organization.
- Developed a module to improve the efficiency of the organization by optimally utilizing the resources (manpower).

Informatica Business Solutions Pvt. Ltd., Bangalore
Marketplace Intern

Summer 2014

- Worked on **Powercenter & PowerCenter Express**, the flagship tools of Informatica (ETL tool used for extracting data from various sources, transforming & loading data into multiple targets) & got acquainted with them.
- Developed Python scripts(for both windows & Linux) to enhance the utilities of PowerCenter:
 - Create relational connections (Oracle, DB2, ODBC, Sybase & Teradata) in bulk to establish connectivity between databases & Informatica repository.
 - Check validity of the relational connections after creating them.
- Informatica Marketplace links where the above-developed scripts published:
 - https://community.informatica.com/solutions/python_create_bulk_connection_for_powercenter
 - https://community.informatica.com/solutions/python_create_test_powercenter_connections

TECHNICAL SKILLS

Databases: MYSQL, SQL Server, Oracle, PostgreSQL

Languages: Python, SQL

ETL Tools: Informatica PowerCenter, Informatica PowerCenter Express

Analytics Tools: SAS, R, Python, Tableau, Apache Spark

Web Design: HTML, Microsoft Visual Studio

Operating Systems: Microsoft Windows, Linux (Fedora, Ubuntu, CentOS)

RELEVANT PROJECTS & COURSES

- Created a predictive model to predict **Stock Market movements of 'Nike'** using supervised machine learning Principles to the tweets extracted from Twitter and developed a sentiment analyzer that can judge the type of sentiment present in the tweet. Analyzed the correlation between stock market movements and sentiments in tweets. Dec 2017
- Created a predictive model to accurately predict first booking destination for new Airbnb customers as part of the **Kaggle competition "Airbnb New User Bookings"** & secured a rank in top 20% of the competition. Nov - Dec 2017
- Created a predictive model using SAS & R to predict whether an employee will leave the company or not by analyzing different numerical & ordinal attributes influencing an employees' decision. April 2017
- Secured a rank in top 20% of a **Kaggle competition** & built a model to predict the prices of residential homes in Ames, Iowa, using advanced regression techniques. Oct - Dec 2016
- Introduction to Big Data Analytics - University of California, San Diego. Summer 2016
- The Data Scientist's Toolbox, R programming, Exploratory Data Analysis - Johns Hopkins University.

LEADERSHIP & INVOLVEMENT

- Captained the Table tennis team of National Institute of Technology (NIT) Durgapur in Inter-NIT tournament.
- Participated in the NSS (National Service Scheme, aimed at developing student's personality through community service to get a sense of involvement in the tasks of nation building) in NIT Durgapur.