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Educational Background

Indiana University, Bloomington , USA

Masters in Data Science

CGPA 3.44/4

Sastra University , India

Bachelor of Technology in Information and Communication Technology

Expected graduation : May 2017

May 2012

Professional Experience

Lloyds Bank, United Kingdom

Data Analyst

Aug 2012 – Aug 2015

Software/Tools used Business Intelligence Tools -SSAS and SSIS, SQL, C#.Net, VBscript,VB6

- Solved the data inflation in a critical credit risk application by removing over 50% of unwanted data using ETL tools like SSIS and data mining tools like SSAS and provided effective analytical support to customer service operations.
- Saved 10000 Euros/year in a credit risk application by automating removal of duplicates using a SSIS package.
- Increased the security of Lloyds bank owned risk application to 100% by building a gateway.
- Separated bulk Lloyds bank group's unstructured data into Lloyds and TSB bank data with over 90% accuracy and increased productivity by creating and using SSIS and SSAS packages.

BookNPlay, Chennai, India

May 2016 – June 2016

Data Scientist

Software/Tools used Python, R, Java, Tableau

- Analyzed the patterns in customer bookings. Used historical data to build a recommendation system that recommends customers different kind of sports that would interest them. Increased site revenue by 50%.
- Visualized the customer data to increase productivity based on the customer behavior and interests.

School of Informatics and Computing, Indiana University, Bloomington

Jan 2016 - May 2016, Aug 2016 - Present

Associate Instructor, for the course Information Representation

Software/Tools expertise HTML,CSS, PHP

- Effectively guided undergraduate students in their coursework by assisting them in their practical as well as theoretical coursework relating to information representation.

Academic Projects

- Analyzed data from twitter and used NLTK platform to analyze the sentiments of people towards Donald Trump and Hillary Clinton with respect to the presidential election [Python, Spark , D3, Tableau]
- Analyzed the Yelp dataset , performed user modelling and predicted categories of restaurants that people would visit by using matrix factorization and classifiers like Naïve Bayes and LSH [Python, Spark , Tableau]
- Implemented data mining techniques by creating SVM and Random forest statistical models using scikit-learn to predict somatic mutations from a given SNP and COSMIC data. [Python, R, Java]
- Built an intelligent system that recommends useful papers for citations using keywords and titles from the Microsoft Academic graph dataset. [Python, R programming, Spark,Neo4j]
- Built a prediction model that predicts opiate overdose using decision tree and Logistic regression models on the non-opiate drug prescription pattern [Python, R programming]

Certifications and achievements

Six Sigma Green Belt certification

Mar 2014

- Analyzed data and applied lean Six sigma techniques to automate ETL of data, reduce costs and improve the performance and consistency of data

Six sigma Yellow belt Certification

Feb 2014

- Visualized data and prepared visual reports on the results of process improvement techniques on the data.

Writer at writers-india.com

Jan 2009 – Jan 2010

- Worked as a tech writer and was instrumental in creating technological write ups for various websites.

Gold medalist at the Olympiad National Math competition

Mar 2007

- Awarded gold medal for being one of the top scorers in the national level math and analytics competition

Additional Information

Languages and Tools used R, SQL, Python, D3, Spark,Tableau, Weka , C#.NET, HTML, CSS, Java , C , C++, Hadoop, Lucene, Business Intelligence (SSIS&SSAS) ,MySQL, Oracle, Google Analytics, MongoDB

Applications InfoPath , MS SharePoint, MS Office(Excel, outlook, visio) ,Adobe Photoshop

Spoken Languages Expert proficiency in English and Tamil, Intermediate proficiency in Hindi