Ashish Agarwal

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EDUCATION

Syracuse University, USA   *May 2018*
Master of Science in Information Management & CAS in Data Science

University of Mumbai, India   *May 2012*
Bachelor of Engineering in Electronics & Telecommunication Engineering

WORK EXPERIENCE

Data Scientist, SpringML, USA   *October 2018- Present*
Analyzed, created visualizations and model for determining ads-click rate for weather forecasting client.
Engineered features and determining stockouts for a pharmaceutical client through a time series machine learning model

Data Scientist Intern, Macquarie Bank, USA   *May 2017-March 2018*
Creating master data staging tables from different sources and applying ETL process to save it in data warehouse
Interpolation and extrapolation of missing data and handling DST changes to ensure models run uninterrupted.
Applying statistical and machine learning methods to forecast prices for different ISO's (PJM, ERCOT, MISO, etc.)
Creating dashboards in Spotfire and Tableau and documentation for easy analysis to higher management.
Time series analysis (AR/MA/etc.) and machine learning models to backtest and evaluate trading strategies.

Graduate Teaching Assistant, Computer Networking, Syracuse University, USA   *September 2016 – May 2017*
Conducting concepts discussion sessions, practice labs every week and evaluating the understanding level of students

Data Analyst (Volunteer), IConsult, Syracuse University, USA   *November 2016 – May 2017*
Analyze GIS data and predict future expenses to help NGO 'The Salvation Army' manage kids with Parkinson's disease.

Co-founder & Web Developer, Entrepreneurship project -EpageIt.in   *March 2016 – February 2017*
Implemented a website to handle large number of legacy paper files, significant reduction in accessibility time
Evaluated OCR and full text index-based search, enabled easy word search within documents within seconds

Software Engineering Analyst, Accenture Services Private Limited, India   *January 2013- July 2016*
Work with client to solve their problems and find KPI's to ensure reduction in time to improve customer satisfaction
Developed tool, DIMAT for E-commerce client increased application availability to 99% & significant efforts saving of 1700 hours
Creating models to forecast outages and anomalies detection on servers by analyzing logs on more than 200 servers.
Processing unstructured logs of around ~1 TB using big data, generated useful insights from them using Hadoop and Spark

TECHNICAL SKILLS

Languages: Python, R, Java, C++, VBA, etc.
Databases: MS-SQL server, MySQL, Sybase, NoSQL (Elasticsearch and Apache Solr), Etc.
Bigdata and Data Warehousing: Hadoop, MapReduce, Apache Spark, Microsoft SSIS, PowerBI, etc.
Machine Learning: Regression, Clustering, SVM, Ensemble, Reinforcement Learning, Neural Networks (TensorFlow), etc.
Quantitative Research: Optimization, Statistics, Hypothesis Testing, Risk and Portfolio Analysis, Monte Carlo, HMM, MDP

LEADERSHIP EXPERIENCE AND INVOLVEMENT

President for the Data Science Club in Syracuse University (Fall 2017)
Active member of Information security club in Syracuse University
Attended Data Science Conference – Rice University (Oct 2017)

ACADEMIC PROJECTS & WORKSHOPS

Enterprise Risk framework for the organization "National Audio" in Syracuse   *April 2018*
LTV, Customer Segmentation and Churning models to ensure customer retention   *March 2018*
ETL project for getting insights from E-commerce and scrapped movie data (OLAP)   *October 2017- December 2017*
Analyze the NPS score for Hyatt hotels helping to categorize important parameters   *February 2017- April 2017*
Bank term deposit analysis and prediction for telemarketing calls using ML models   *February 2017- April 2017*
Checking 'Techniess' of a newspaper article using Natural Language Processing   *December 2016- October2016*

CERTIFICATIONS & ACHIVEMENTS

Completed course "Hadoop, MapReduce for Big Data problems ", Stackskills   *September 2017*
Completed certificate on 'Tableau 9 Essential Training', Lynda   *February 2017*
Recipient of Graduate Teaching Assistant Scholarship, Syracuse University   *January 2017*
Completed course "Quant Trading using Machine Learning", Stackskills   *December 2016*
3rd prize in Digital Innovation Idea Contest – Accenture, Pune, India   *April 2015*