Dallas, TX, 75252   **VISHAKHA NANGIA**   +1 (469) 380 – 4287

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EMPLOYMENT

Software Engineer   **Envestnet| Yodlee, Bangalore, India**   **August 2015 – June 2018**

Technology: JAVA, JavaScript, HTML, SQL, Servlet, JSP, XML, Advanced Excel

- Created an online banking application (**Personal Finance Management**) for users to manage their finances smartly.
- Developed, deployed and maintained web crawlers for gathering information from a content service, each running at a scale of 45 Million plus users.
- Performed transaction data enrichment, fraud detection and hedge fund analysis using algorithms.
- Built an **Issue Analyzer Tool** that provided an initial insight on the reported issues and reduced the analysis efforts that resulted in an increased productivity by 15%.
- Led a team to handle the U.K. locale clients for the information analytics and engineering department and reduced the average latency of the product from more than 100 seconds to around 40 seconds.
- Analyzed the trends of the reported issues to derive a pattern that helped to achieve a success rate of more than 95% for most of the clients.
- Tracked the turnaround time for the issue and reduced it to an average of 3 days from an average of 7 days.

PROJECTS

Identifying User's state of mind

Technology: Pandas, NLTK, Matplotlib, Seaborn

- Performed data wrangling to remove stop words and other undesirable characters
- Implemented Feature engineering to better represent the data and used recurrent neural network and bag of words approach to draw conclusions

Big Mart sales prediction

Technology: Numpy, Pandas, Matplotlib, Seaborn, Sklearn

- Performed one hot encoding using Numpy and Pandas and created effective visualization using Matplotlib and Seaborn
- Implemented linear regression using Sckit-Learn to find relationships between variables

INFORMS Data Viz.BI Hackathon (UNICEF -Quality of Children's lives)

Technology: R, Tableau, PowerBI

- Created regression models to find relevant explanatory variables for analysis
- Built interactive visualizations to support the hypothesis using Tableau and PowerBI

Harmonized Unemployment Rate Forecasting model

Technology: Numpy, Pandas, Matplotlib, ARIMA, adfuller, acf, pacf

- Checked for stationarity using plots and Dickey Fuller test and converted to stationary series using Difference technique
- Used ACF and PACF to decide the number of lags to include in the ARIMA model

EDUCATION

Master of Science Business Analytics (Data Science)   **August 2018 – May 2020**

University of Texas at Dallas, Jindal School of Management   *GPA – 4.0*

Bachelor of Technology, Computer Science and Engineering   **August 2011– May 2015**

Madan Mohan Malaviya University of Technology   *GPA – 4.0*

CERTIFICATIONS

Data Science with Python   **Google Analytics**

University of Michigan   *Google Analytics Academy*

TECHNICAL SKILLS

Statistical and Machine learning skills: Regression, Classification, Clustering, Decision Trees, Random Forests, Hypothesis testing, Time Series Forecasting, Deep learning, Neural Networks, Natural Language Processing

Software and Programming languages: Python, R, Tableau, PowerBI, MySQL, Oracle, MSSQL, Hadoop, MongoDB, Spark, STATA