Suhas Patil

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Education

Master of Science in Business Analytics **GPA – 4**
The University of Texas at Dallas May 2020

Bachelor of Engineering in Mechanical Engineering **GPA – 3.75**
The National Institute of Engineering, India July 2014

Technical Skills

Analytical Tools   : R, Python, SAS, Tableau, MS Excel, Adobe Analytics, Google Analytics.
Programming skills : ASP.NET, C#, MVC, HTML, CSS, Flask.
Database systems   : MS SQL server, MySQL, Big Data, MongoDB, MemSQL.
Platforms and Tools: Pentaho Data Integration, Flask, DBeaver, VSCode, Github, Jupyter Notebook

Work Experience

Copart, Dallas **Jan 2020 – Present**
Business Intelligence Intern | Tableau, Pentaho Data Integration, MySQL, Flask, DBeaver, VSCode, Github
- Built, updated and optimized custom SQL queries and database views for Tableau data extracts.
- Analyzed business requirements and levels of detail available in the data to create over 30 complex Tableau reports.
- Designed various user level centric, interactive Tableau dashboards & stories which effectively catered to the decision makers.
- Built over 20 Extract-Transform-Load jobs to retrieve data from DB2 database to a staging Maria DB and, further load this data into clustered MemSQL Datawarehouse after imputation and structural transformations using Pentaho.
- Developed a flask web application to replace static Tableau reports, in turn reducing the expense on Tableau licenses by 30%.
- Setup a framework to ingest data into MemSQL procedure and tables via pipeline from a Kafka messaging source stream.

The University of Texas at Dallas **Aug 2019 – Dec 2019**
Teaching Assistant, Course: Applied Machine Learning | Python, Jupyter Notebook, Machine Learning Models
- Mentored students in groups and on an individual level, resulting in 40% average growth in their performance scores.
- Validated over 80 group projects on applied machine learning concepts to large datasets, & prepared answer keys to 10 exams.

Tata Consultancy Services, India **Nov 2014 – July 2018**
Data Analyst, System Engineer | MS SQL Server, eGain Analytics, ASP.Net, MVC, Cisco UCCE ICM
- Independently developed 3 .Net web applications and SQL server databases, including SQL triggers & procedures for data driven management and auditing purposes. Use of these applications increased the team's project delivery rate by 25%.
- Incorporated automated data scraping, wrangling and data loading for internal applications, and gained 30% increase in customer satisfaction while bringing down the analysis effort by 50%.
- Successfully built 40 scalable dashboards and formulated reports on eGain Analytics by processing high volume of real-time data.
- Actively operated with prominent telecom carriers, service partners and managed outsource providers for infrastructure support, maintaining project success rate of 99.6% - FY 17/18.
- Attained 99.1% incident free performance score for timely and precise root cause analysis.

Academic Projects

Exploratory Analysis & Predictive Modeling | SAS, SQL **June 2019**
Objective: Perform data wrangling, analysis and car resale price prediction on 1.7 Mil records with 25 related features.
Data Exploration: Graphically and statistically analyzed individual feature metrics & their impact on car price. Reduced the number of
        fields required for a quick price prediction by 60%.
Models: ANOVA, General Linear Models, ANCOVA, Logistic Regression.
Results: Insights on aspects of a car for higher resale price & built a lean predictive model reaching 70% accuracy.

Applied Machine Learning | Python, JupyterLab, Excel **November 2018**
Objective: Analyze performance and optimize various machine learning models through cross validation and hyperparameter tuning.
Data Transformation: Principal component analysis, ROC, standard and min max scaler, correlation analysis, feature extraction.
Models: Bagging, Boosting, Ensemble models, Decision trees, K-Nearest Neighbors, Neural Network, Support Vector Machine.
Results: Automated reporting of various model performance and 12% improvement in predictive scores of 3 models.

Achievements

Young Achiever award for displaying consistent growth in efficiency and performance.
Extra Mile & **On Spot awards** for taking up projects concurrently on various technologies & outperforming the delivery expectations.

Leadership & Organizations

Let's do it Mysore, NGO - Officer 2015 - 2018
EnVision (Data Visualization) Club, UTD – Member 2018 – 2019