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**Suhas Patil**

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**Education**

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| 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**

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