SANATH NARASIMHAN

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Qualification

Course	School/College	University/Board	Year	Grade
Master of Computer Science	*University of Texas at Arlington*	*University of Texas*	**2018***(start)*	*3.333* **GPA** *(First Semester)*
Bachelor of Engineering in Information Science	*Reva Institute of Technology and Management, Bangalore*	*Visvesvaraya Technological University*	*2017*	*70.37% (VI Semesters)*
Pre-University Education - 12th	*Shri Bhagwan Mahaveer Jain College, Bengaluru*	*Pre-University Board Of Karnataka*	*2013*	*67%*
10th Grade	*Sindhi High School Hebbal, Bengaluru*	*Central Board of Secondary Education*	*2011*	*78%*

Projects

- Electricity bill generator system
  A *Java* language-based module system for online electricity billing viewing and registration. It is connected to MySQL database through **JDBC** connection.
- Client name clustering
  A Machine Learning based algorithm to resolve a dataset of client names for an Elastic search engine. The dataset is subjected to unsupervised learning with a hybrid clustering with 57% accuracy.
- SaaS Churn analytics
  Data analysis on a dataset of Subscription data of various clients to predict the likelihood of churn. The dataset is sampled for previous churn trends and finding the key attributes by Principle Compound Analysis to define churn causation. This is then applied on recent clients for analysis.
- Data Quality System administration (DQDNA)
  Maintaining Data quality related dashboards from a QlikView server instance. The data is retrieved from a set of **HDFS** server instances weekly and the dashboards are updated. The incoming data is subjected to a set of steps to ensure that there is no inconsistency and the trends are observed by various metrics that are predefined.
- Error detection System
  An algorithm developed in **MATLAB** which is programmed to detect if a cube is of desired measurements. The cube is evaluated through an image captured by a camera which is at a fixed distance from the cube. Various image processing techniques like thresholding, edge detection and pixel counting are applied to determine the edge length of the cube.

Skills and Interests

Technical:

- *Adept at Linux Based Operating Systems.*
- *Know the Rudimentary concepts of Artificial Intelligence and Ethical hacking Computer security.*
- *In-depth knowledge on the basics of Design programming languages like: Python, MATLAB, R, C, C++, Core JAVA, SQL, C#, HTML, and Shell scripting.*

Interests:

Artificial General Intelligence, Human Computer Interaction, Natural Language processing, Image processing and Computer Vision.