Anusha Karunakaran [anusha.karunakaran@uconn.edu](mailto:anusha.karunakaran@uconn.edu) | [LinkedIn](https://www.linkedin.com/in/anushakaran/)

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# Education:

**University of Connecticut School of Business, Hartford, CT**

*Master of Science, Business Analytics and Project Management*

**Coursework:** Statistics, Predictive Modelling, Data Mining, Python, Business Process Modelling, Data Visualization/Reporting

Vellore Institute of Technology, Vellore, **TN, India May 2016**

Master of Science in Software Engineering (Integrated Course) GPA: 9.21/10

# skills:

**Languages**: R, SQL, Hive, HBase (NoSQL), Python, SAS, JSON

**Databases:** Hadoop, Microsoft SQL Server, Vertica

**Tools:** Tableau, Microsoft Excel, Jira, Altova Mapforce, Squirrel, X2GO, Visio, R Studio, SharePoint, MS Project, PowerPoint, MS Office Tools, SAS Enterprise Miner, Google Analytics, Jupyter Notebooks, GitHub, Putty

**Statistical Analysis:** Data Cleaning, Data Mining, Segmentation, Customer Analytics, Web Analytics, Text Analysis, Time Series, ggplot2, pivot tables, MapReduce, Market Basket Analysis, ETL, Strategy Analytics

# EXPERIENCE:

**Cerner Healthcare Solutions Private Limited – Senior Interface Engineer Oct 2018 - Jun 2019**

* Lead the Data Intelligence team
* Developed Tableau dashboard reports for drawing business insights
* Created Data Lineage Documentation for traceability of the data flow from Flat file to Raw Models to Vertica
* Standardized structural mappings according to vendors and created Mapforce functions
* Performed Data Validation task for onboarding clients
* Transformed EDI data to common data model using Mapforce Tool

**Cerner Healthcare Solutions Private Limited – Interface Engineer Jul 2016 - Sep 2018**

* Client Onboarding using Mapforce tool – prepare ETL process according to business requirements
* Transformed data into common data model and map proprietary data from the data sources to industry standard terminology
* Linked patients across data sources via probabilistic algorithm and provide human review to link potential matches
* Advanced working SQL knowledge and experience working with relational databases, query authoring (SQL) as well as working familiarity with a variety of databases.
* Experienced performing root cause analysis on internal and external data and processes to answer specific business questions and identify opportunities for improvement.
* Strong analytic skills related to working with unstructured datasets.
* Ensured to process Client System subsequent development in real time as delivered for Validation.
* Successful history of manipulating, processing and extracting value from large disconnected datasets.

**Cerner Healthcare Solutions Private Limited – Seasonal Intern Jan 2016 - Jun 2016**

* Worked on the nuances of developing a Patient Enroller and Discharger system which necessitates an efficient administration when handling records of patients, preparing worklists and generating reports. The system was developed in C# and SQL Server Reporting Services with the help of Agile methodology.

# PROJECTS:

**SAS Base|** Developed source and analysis datasets to support data analysis of clinical trials data. Data cleaning using procedures, validating, sorting, merging techniques. Generated tables, figures and listings to support reports and submissions.

**Predictive Modeling|** Analyzed NYC inspection data and narrowed down the safest areas/restaurants for the selected cuisine using R (Time Series, plyr, dplyr, ggplot2)

**Market Basket Analysis |** Analyzed Retail data using association rule mining to predict which previously purchased items will be in user’s next order.

# CERTIFICATIONS:

**People Analytics** | University of Pennsylvania (Coursera)

**Tableau 10** | Udemy

**Data Analytics Consulting** | KPMG Virtual Internship

# AWARDS AND ACHIEVEMENTS:

* Received **Organizational NOTT Award** twice at Cerner Healthcare for excellence in process improvements and optimizations.