[hemantakurati94@gmail.com](mailto:hemantakurati94@gmail.com)

**Venkat Hemant Akurati**

(414)-243-9249

linkedin.com/in/hemantakurati

<https://github.com/hemantakurati>

**Summary**

Experienced data analyst with a demonstrated history of working in the healthcare and hospital industry. Skilled in data analysis, statistics, and administration. Excellent understanding of business operations and analytics tools for effective analysis of data. Actively seeking full-time positions in Data Analysis, Statistician and Operations analyst.

**Skills/Qualifications & Certifications**

* Soft Skills: Quick Learner, Multi-tasker, Detail-Oriented & Logical thinking
* MS Excel, MS PowerPoint, MS Word, Excel (Macros)
* Programming Languages: SQL, Python(Pandas, NumPy), R, SAS
* Machine Learning & Big Data Tools: PyCharm, Apache Spark
* Databases: MS Access, MS SQL Server, MySQL, PostgreSQL
* Data Visualization & Reporting: RStudio, RShiny, Tableau
* Operating Systems: Windows, Linux
* EMR systems: openEMR
* CPR First aid & BLS for Health Care Providers by the American Heart Association.

**Professional Experience**

* **UNIVERSITY OF WISCONSIN-MILWAUKEE, MILWAUKEE, WI**
* **DATA ANALYST (Capstone Project)** (JAN 2020 – MAY 2020)
* Created and evaluated **ML** classification algorithms in a pipeline to predict the risk attributes of breast cancer diagnostic data and compare the accuracy between created models.
* Extracted and cleaned raw data from UW Hospitals into quantitative data in **R programming**.
* Conducted analysis using random forest, K-nearest neighbor, and support vector machine methods.
* Presented reports on weekly basis to the project advisor which helped in improvement of overall process by 70%.
* Developed a predictive model with 100% accuracy and delivered it on the provided deadline.
* Visualized the results in **R-Studio** which quickly helped in identifying the key areas where process need to be implemented.
* **OPERATIONS ASSISTANT** (FEB 2019 – MAY 2020)
  + Maintained **EMS SQL Manager V44.1** for student information, class schedules, meetings that increased work efficiency by 75%.
  + Experience in developing and deploying simple reports using Microsoft Excel.
  + Experience in data extraction, transformation, and loading(ETL) from small to medium sized databases in MS SQL Server.
  + Scheduled backups and restored databases regularly to maximize performance.
* **SUPER SPECIALTY HOSPITAL, India** (DEC 2017 – JUNE 2018)

**Jr. Dentist & Health Information Manager**

* + Examined teeth and gum with appropriate dental instruments, x-rays, and other diagnostic equipment.
  + Monitored vital signs such as blood pressure, pulse, respiration and blood glucose levels for over 500 patients.
  + Managed, updated electronic medical records, and maintained data in the **openEMR** system following the legal and ethical guidelines of healthcare system.
  + Developed knowledge on **HIPAA** privacy and security regulations and maintained patient data privacy.
* **SS DENTAL COLLEGE AND ORAL CANCER RESEARCH INSTITUTE, India** (NOV 2016 – NOV 2017)

**DENTAL INTERN & RESEARCH ASSISTANT**

* + Educated patients regarding preventive dental care plaque control, causes and treatment of dental problems and other oral healthcare services.
  + Planned and coordinated public dental health education campaigns in rural areas.
  + Maintained and managed hospital patient database and conducted detailed statistical reports for research and analysis.
  + Investigated and evaluated existing **SAS** programs to maximize the efficiency and minimize expenses.
  + Actively involved in data extraction, data cleaning and setup/prepare workspace, update/modify SAS codes and performed calibrations and generated outputs.

**Projects & Publications**

* **Predictive Forecasting of COVID-19 & Pneumonia deaths** (Current Project)
* Working on predictive forecasting analytics on SAS programming language to forecast potential number of deaths of COVID-19 and Pneumonia.
* Utilizing PostgreSQL (ElephantSQL) to import and update data every single day from AWS COVID-19 data lake repository for the new records.
* **Data Analytics on SEER Cancer data**
* Performed the data collection/wrangling activity, quantitative analysis of disease trends.
* Created ICD – O -3 dictionary and imported disease names and codes from the file by assigning key and value pairs.
* Developed codes in **Python 3.2.4** to Extract, load data from txt and csv files of over 10 million cancer de-identified records form SEER program.
* Identified potential trends and process errors from data and made necessary changes and prepared report on the findings.
* Venkat H. Akurati, **DNA Fingerprinting – Microbiologists Perspective: Review**. Saudi J Med, February 2019; 4(2): 89-92.
* Venkat H. Akurati, **A Review on Neck Dissection. IOSR-Journal of Dental & Medical Sciences**, Vol -16 (6) Ver. III, June 2017, PP 86-101.

**Education**

* University of Wisconsin–Milwaukee Milwaukee, WI

Master of Health Informatics 2018 - 2020

* Dr. NTR University of Health Science India

Bachelor of Dental Surgery 2012 - 2016