

Sreedevi Kalla

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SUMMARY

Graduate student in Health Data Science with hands-on experience in healthcare informatics, and public health analytics. Skilled in developing predictive models and visual dashboards to improve clinical decision-making. Experienced with EHR systems such as Epic and Meditech, and proficient in Python, SQL, and Tableau for data analysis and reporting. Seeking to leverage academic knowledge and project experience in a challenging Health Data Analyst or Healthcare Data Scientist role.

EDUCATION

Saint Louis University, St. Louis, MO, USA
Master of Science in Health Data Science

Aug 2025

Osmania University, Hyderabad, India
Bachelor of Science in Genetics, Microbiology, and Chemistry

May 2021

EXPERIENCE

Faxing Executive – Utilization Review

PrimEra Medical Technologies, Hyderabad, India

Apr 2022 – Aug 2023

- Extracted and compiled clinical documentation from Epic and Meditech for utilization of review packets supporting insurance authorizations.
- Submitted clinical data via RightFax, eFax, and payer portals (Availity, Navi Net); tracked responses and assisted in appeals.
- Collaborated with utilization review of nurses and revenue cycle teams to ensure timely approvals and reduced claim denials.
- Tools: Epic, Meditech, RightFax, Concord Fax, Excel, Smartsheet

PROJECT EXPERIENCE

Disease Prediction Using Symptoms – Group Project

- Developed ML models (Logistic Regression, Random Forest) to predict 42 diseases using 132 symptoms.
- Optimized performance through Dask-based parallelization and Genetic Algorithm feature selection.
- Designed data visualizations for symptom-disease relationships to improve interpretability.

Drug Poisoning Mortality Prediction – ML Project

- Built and compared classification models (KNN, SVM, Naïve Bayes, Random Forest) using U.S. county-level mortality data.

- Created visual dashboards to analyze demographic and regional disparities using Python visualization libraries.

Pediatric Respiratory Admission Forecasting – Capstone

- Predicted RSV/Influenza visit outcomes (ED vs inpatient) using XGBoost and Random Forest.
- Performed feature engineering, seasonal trend analysis, and temporal data transformations to improve forecasting accuracy.
- Identified seasonal and temporal patterns, achieving 56.7% accuracy and supporting hospital resource planning.

SKILLS

- Programming & Tools: Python, SQL; experience with data cleaning, feature engineering, and predictive modeling
- Data Visualization & Analytics: Tableau, Looker Studio, Google Colab, Jupyter; creating dashboards, charts.
- Healthcare Systems & Informatics: Epic, Meditech, RightFax, Concord Fax, Availity, EHR data extraction, and health informatics processes
- Productivity & Collaboration Tools: Excel, Smartsheet, MS Office, Google Suite

VOLUTEERING

DOBARA (Hyderabad) – Elder wellness & community engagement
