

# Yeddula Varshita Reddy

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

### •Bachelor of Technology in Bioinformatics

2021–2025

Vignan's Foundation for Science, Technology & Research, Guntur

CGPA: 8.7

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Python, SQL (MySQL), DAX, JavaScript, C, HTML, CSS

**Tools/Platforms:** Power BI, Excel, MySQL Workbench, SAS, Git & GitHub, Jupyter Notebook

**Coursework:** Data Analytics, DBMS, Data Structures, Machine Learning

**Soft Skills:** Data Storytelling, Self-Learning, Problem Solving, Communication

**Interests:** Health-Tech Analytics, Predictive Modeling, Visualization, AI

## EXPERIENCE

### •EY Global Delivery Services – Virtual Internship

2024

AICTE Virtual Internship Program

Online

- Conducted a Power BI analytics project on India's unicorn startups during a virtual internship.
- Identified top ROI companies, average time-to-unicorn, and VC trends using matrix and card visuals.
- Tools Used: Power BI | Certificate [🔗](#)

## PERSONAL PROJECTS

### •Patient Readmissions Analysis – Excel Dashboard [🔗](#)

Built a visual dashboard to identify risk factors driving hospital readmissions using real-world discharge data.

- Analyzed 1,000+ patient records and found 58% of readmissions occurred within 30 days post-discharge.
- Flagged elderly group (70–80 yrs) with highest recurrence; heart failure and COPD were leading causes.
- Built slicer-enabled Excel dashboard with diagnosis filters and time-based trend visualizations.
- Tools: Excel, Pivot Tables, Charts, Slicers

### •SQL-Based Health Data Reporting – CDC Chronic Trends [🔗](#)

Explored 300K+ public health records to uncover disease trends, gender disparities, and state-level priorities.

- Queried 309,000+ rows to extract 10-year trends in cardiovascular, cancer, and mental health prevalence.
- Revealed cardiovascular disease as top concern in 22 states; mental health issues 18% more reported in females.
- Ranked all 50 states using SQL window functions based on chronic disease burden.
- Tools: MySQL Workbench, SQL Joins, Aggregates, CSV Exports

### •COVID-19 Impact & Recovery Trends – Power BI Dashboard [🔗](#)

Mapped pandemic pressure on Indian hospitals and vaccination trends using interactive dashboards.

- Developed “cases per bed” KPI to flag infrastructure stress; Kerala had 1.6× higher pressure than national average.
- Visualized 3-year trends across 12+ states using DAX measures, slicers, and time-based comparisons.
- Enabled drilldowns by state and vaccination phase to identify response gaps and capacity limits.
- Tools: Power BI, DAX, Interactive Visuals

### •Heart Disease Risk Prediction – Python + ML [🔗](#)

Built interpretable ML models to predict heart disease risk using clinical indicators.

- Achieved 83.1% accuracy with Logistic Regression; optimized for interpretability and performance.
- Identified top 5 predictors: ST depression, chest pain, age, cholesterol, fasting blood sugar.
- Visualized model insights using feature importance charts and risk factor heatmaps.
- Tools: Python (pandas, seaborn, scikit-learn), XGBoost, joblib, matplotlib

## CERTIFICATIONS

### • SAS Programming Training [🔗](#) – Internshala

Jul 2023

Completed 6-week course on SAS data handling, cleaning, and visualization.

### • Industrial Training in Data Science [🔗](#) – IntrainZ

Jan–Mar 2024

3-month program focused on data analytics, data wrangling, modeling, BI and ML techniques.

## LEADERSHIP & ACTIVITIES

### • Volunteer, NSS (National Service Scheme) – VFSTR

2022–25

Participated in campus outreach drives, health camps, and social awareness events.

### • Co-ordinator, Logistics – Mahotsav 2K24 – VFSTR

Jan 2024

Led 10-member logistics team; ensured timely delivery of materials and smooth operations.