

# Sarang Raje

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## Summary:

Emerging Data Analyst, curious to put analytical and statistical skills in real-world projects. Harnessing the power of AI with a blend of R, Python, SQL, and BI tools to make an impact in this data-driven world. Leveraging the use of AI-assisted Development for creating data-friendly software systems to formulate AI-driven Data Analytics.

## Education:

**MS in Engineering Management** (Descriptive Analytics, Database Management)

May 2027

University of Massachusetts Amherst

**B.Tech in Chemical Engineering with Honors in Green Technology and Sustainability**

June 2024

Dwarkadas J. Sanghvi College of Engineering | University of Mumbai

## Industry Experience:

**AI-Product Business Analyst | Easytech Innovations Pvt Ltd**

03/2025-06/2025

- Leveraged an AI-driven analytics tool to understand business insights and identified 3 revenue KPIs.
- Efficiently analyzed large datasets (50,000+ rows), generating actionable reports for executive-level presentations.
- Developed AI-marketing strategies for the sale of 4 SaaS-based products, leveraging data-driven insights
- Generated \$25000 in AWS Credits through collaboration with experts and laid business growth initiatives.
- Volunteering as a Database Manager, I mined 20,000+ rows of Education ERP system data using MySQL and R to clean inconsistencies and organize datasets for generating student academic performance reports.

**Operations and Business Intelligence Intern | Vision Earthcare Pvt Ltd**

09/2024-02/2025

- Pioneered the work on business intelligence and data analysis in the company from capital investment records, developed MIS, interactive visuals, and detected a \$6,000 discrepancy through financial reconciliation.
- Managed 21 on-site projects, overseeing technical aspects, interacting with clients and business consultants, found 82 business tenders, and crafted reports showcasing overall data-informed project management skills.

## Skills:

**Coding Skills:** SQL, Python (Matplotlib, Pandas, Seaborn, Numpy, Forecast), R (dplyr, tidyr, ggplot2), RStudio, Jupyter

**Data Proficiency:** Tableau, MS Power BI, MS Access, MS Office (Word, Excel, PPT), Colab, ETL, Data Modeling, EHR

**Other Skills:** Visual Studio Code, Google Apps Script, Generative AI, UI/UX, Healthcare Product Analytics and PHI

## Projects:

**Descriptive Analytics with R – Healthcare Insights Project** (Ongoing)

- Collaborating in a cross-functional team for HIPAA-compliant analysis of Electronic Health Records to analyze obesity datasets, applying descriptive statistics, correlation, regression, and clustering, while visualizing results for actionable healthcare insights using R.

**HealthcareLytics: A Healthcare Data Analytics Platform**

- Built an end-to-end solution for our healthcare professionals to upload and clean clinical datasets, apply dynamic filters, generate visualizations, run on-demand statistical analysis, and export reports for data-driven medical decisions. Also architected a pipeline for healthcare data: upload → clean → filter → analyze → visualize → report.

**Healthcare Analytics for Blood Sugar Control: Analytical Intelligence**

- Calculated a 12-day sugar level reduction timeline by analyzing 15 days of blood sugar data using Excel, pivot tables, and statistical analysis to recommend a daily optimal Insulin dosage to patients.

**Data Analysis: A SQL-driven insights model**

- Analyzed food sales databases using MySQL to identify top-revenue-generating products and accordingly informed marketing strategies to maximize revenue growth, showcasing data analysis skills.

**Real-Time Email Tracking System: Revolutionized Email Marketing with AI-driven Analytics**

- Engineered an AI-powered email tracking system that processed 45000+ of clean data using Python to track emails and generate a new dataset in a spreadsheet, demonstrating updated statuses of emails.

## Certifications:

- Business Intelligence with Power BI
- Data Visualization
- Python for Data Analysis in Healthcare