

# 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.
- Successfully managed large datasets (50000+ rows) and created reports for presentation.
- 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.

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

09/2024-02/2025

- Managed 21 on-site projects, overseeing technical aspects, analyzed annual expenditure using visualization tools, and crafted reports showcasing data-driven Project Management skills.
- Identified 82 tenders, gained hands-on experience in business growth, and finalized future projects.

## Skills:

**Coding Proficiency:** SQL, Python (Matplotlib, Pandas, Seaborn, forecast), R (dplyr, tidyr, ggplot2), RStudio, Colab

**Data Proficiency:** Tableau, MS Power BI, MS Office (Word, Excel, PPT), Jupyter, ETL, Data Modeling, Automation

**Dev Skills:** Visual Studio Code, Google Apps Script, Generative AI, UI/UX, SaaS Product Analytics & Consulting

## Projects:

**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 pizza 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.

**Business Intelligence for Investment Analysis: From Static Spreadsheets to Dynamic Insights**

- Manipulated and analyzed the company's capital investment data by converting it into interactive visuals and carried out a financial reconciliation that revealed a difference of Rs. 5,50,000 (\$6000) in the expenditure.

**Speak\_Data\_Viz: A Voice to Visualization Platform**

- Architected a data analytics platform with automated data cleaning (25K+ records), speech-to-dataset conversion, SQL script generation, advanced chart visualizations, and instant Python and R code replication (<2s).

## Volunteering Activity:

**Database Manager | OnFees**

05/2025-06/2025

- 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, strengthening both technical and managerial skills.

## Certifications:

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