

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

May 2027

University of Massachusetts Amherst

- Relevant Coursework:**
- 1) Descriptive Analytics (using R, Python, Statistics, and RStudio)
 - 2) Database Management for Analytics (using SQL, MS Access, Tableau)
 - 3) Engineering Leadership and Entrepreneurship (Leadership and Management focused)

Industry Experience:

AI-Product Business Analyst | Easytech Innovations Pvt Ltd

03/2025-06/2025

- Leveraged an AI-driven analytics tool to generate 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 by collaborating with experts and laying business growth initiatives.
- Volunteering as a Database Manager, I mined 20,000+ rows of the Education ERP system database 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 an MIS (dashboard), 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, Product Analytics, PHI, AWS, GitHub

Projects:

Descriptive Analytics with R – Healthcare Insights Project

Fall 2025 (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

Sept 2025

- 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 understanding complex data: upload → clean → filter → analyze → visualize → report.

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

June 2025

- 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.

Data Analysis: A SQL-driven insights model

April 2025

- 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.

Healthcare Analytics for Blood Sugar Control: Analytical Intelligence

Jan 2025

- 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.

Certifications:

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