Bala Sai Phani Krishna Yadamreddy

Email: saiphanikrishna31@gmail.com
Portfolio: byadamreddy.github.io
Mobile: +1 (314)-261-6687
Github: github.com/BYADAMREDDY

Education

- **Saint Louis University** — St. Louis, MO
  Masters - Health Data Science; GPA: ***3.57/4.00*** — *Aug 2023 - Aug 2025*
  Courses: *Python for Data Analysis , Data Structures, R Programming ,SQL for Database Management ,Cloud Computing for Data Science , Machine Learning, Public Health Data Analysis , Healthcare Data Management , Big Data*

- **Gokaraju Rangaraju College of Pharmacy** — Hyderabad, India
  Bachelor - Pharmacy; GPA: ***3.25/4.00*** — *Aug 2019 - July 2023*
  Courses: *Pharmaceutics, Pharmaceutical Chemistry, Pharmacology, Pharmacognosy, Pharmaceutical Microbiology, Pharmacy Practice, Biotechnology, Regulatory Affairs, and Quality Control*

Skills Summary

- **Languages**: Python,R, SAS, SQL
- **Data Analysis and Visualization**: Pandas, NumPy,Matplotlib, Seaborn, Plotly, Dash,Google AI Platform, Azure ML,tidyverse, ggplot2
- **Tools**: Tableau, Power BI, TensorFlow, PyTorch, Alteryx, Talend, REDCap, FHIR, AWS, Google Cloud, Azure, Git/GitHub, MATLAB, matplotlib, seaborn, excel
- **Platforms**: MacOS, Windows, Linux
- **Technical Skills**: Tableau, Power BI, Azure Data Factory, Azure Databricks, Excel, Salesforce, Salesforce Lighting, Big Query, ETL/ELT, Data Lakes, NoSQL Databases, Data Pipelines, Looker, Looker Studio
- **Databases**: PostgreSQL, SQLite, Amazon Redshift(Data Warehouse), Snowflake
- **Analytical Skills**: Statistical Modelling, Qualitative and Quantitative Analysis, Machine Learning, Biostatistics, Health Data Management, Healthcare Analytics, Regulatory Compliance
- **Project Management Tools**: Jira, Service Now
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

Experience

- **Novartis India** — Hyderabad, Telangana
  Data Analyst (Internship) — *July 2022 - Jan 2023*
  - Led quality assurance efforts for data teams, mentored junior analysts, and tracked performance, resulting in a 30% improvement in data quality and 25% faster project turnaround times. Utilized Python, SQL and Excel macros to automate data quality checks and streamline processes, reducing manual errors by 40%.
  - Conducted comprehensive analysis of snowflake data pertaining to drug discovery experiments, employing Python for robust data manipulation and analysis, and leveraging key libraries including Pandas and NumPy.
  - Authored more than 50000 lines of code, meticulously managed via GitHub, with work progress tracked through the JIRA dashboard.
  - Designed and deployed a reporting dashboard using Python, integrating advanced machine learning techniques for predictive analytics, and interfacing with data lakes and data warehouses.

- **Apollo Hospitals** — Hyderabad, Telangana
  Data Analyst (Internship) — *July 2021 - Jan 2022*
  - Analysed patient records by using R and Python used for data/text mining, modeling, and predicting to enable informed business decisions. Implemented advanced machine learning models and meta-heuristic techniques to enhance decision outcomes.
  - Developed and implemented comprehensive Power BI and Tableau dashboards to meticulously track patient behavior towards treatment, drug usage rate and response, treatment and improvements analysis.
  - Developed comprehensive research methodologies, including crafting research questions, designing qualitative and quantitative studies, and ensuring measurement reliability and validity in health outcomes research.

Honors and Awards

- Rise and Shine Award from Novartis India - Dec 2022
- On Spot Award from Apollo Hospitals - Jan 2022

Volunteer Experience

- **Current Trends in Drug Discovery, Development and Delivery (CTD4-2022)** — India
  Conducted online and offline technical & soft-skills training impacting over 3000 students at KL university.

Projects

- **Strategic Analysis of U.S. Hospital Service Satisfaction and Ownership Dynamics** Jul 2024 - Present
  - Conducted a three-year investigation into U.S. hospital service satisfaction trends, revealing significant findings that challenged conventional assumptions about emergency services and hospital ratings.
  - Identified potential operational deficiencies in hospitals with emergency services, providing strategic direction to optimize services and enhance patient satisfaction.
  - Worked with Tech Stack Python, R, Snowflake
- **Predicting Student Mental Health Patterns with Machine Learning** Jul 2024 - Present
  - Utilized machine learning techniques, including visualization, confusion matrix analysis, regression, decision tree, KNN, Naive Bayes, and Random Forest models, to forecast student mental health patterns
  - Demonstrated the accuracy of predictive models, translating findings into actionable strategies to address mental health challenges. This endeavor honed skills in navigating diverse machine learning algorithms and deciphering model outcomes, pivotal for translating findings into actionable strategies.
  - Worked with Tech Stack Python, R, Snowflake, Pandas, Sklearn, Matplotlib, Numpy, seaborn.