Megha Radhakrishnan Sanitha

| Calgary, AB | 825-962-2938 | meghars46@gmail.com| https://www.linkedin.com/in/megha-rs/ |

PROFILE SUMMARY

- Transform complex data into clear, actionable insights that support smarter decisions and solve real-world problems.
- Experienced in leading projects from data collection through analysis and visualization, delivering results that improve efficiency and drive measurable impact.
- Skilled in Python, R, SQL, Power BI, and Tableau; comfortable working with large, messy datasets and communicating findings to both technical and non-technical audiences.
- Recognized for strong teamwork, adaptability, and the ability to manage multiple priorities while maintaining attention to detail.
- Thrive in fast-paced environments, quickly learning new tools and approaches to meet project goals and exceed expectations.

EDUCATION

Master of Data Science and Analytics (GPA: 3.85)   Jan 2025 - Present
University of Calgary

- Science Co-op Program

Postgraduate Certificate in Data Science   Aug 2023 - July 2024
Vellore Institute of Technology

Bachelor of Computer Applications   Aug 2020 - July 2023
Amrita Vishwa Vidyapeetham

PROJECTS

311 Service Requests Data Analysis   **Jan 2025**

- Analyzed over 1 million service requests to uncover trends and optimize resource allocation, leading to improved efficiency in city services.
- Automated metric calculations and created visual dashboards, enabling teams to monitor performance and respond faster to community needs.

Alberta Workforce and Economic Trend Analysis   **April 2025**

- Cleaned and analyze employment datasets using SQL, identifying and correcting data inconsistencies.
- Discovered high-growth industries and wage disparities, informing strategic workforce planning**.**

Aircraft Price Prediction Using Multiple Linear Regression Model   **April 2025**

- Built a regression model in R to predict aircraft prices, explaining over 92% of price variation and supporting better investment decisions.
- Enhanced model accuracy by addressing data issues and refining features, resulting in more reliable pricing forecasts.

Valorant Data Analysis Dashboard   **Feb 2024**

- Designed interactive dashboards in Power BI to visualize agent abilities and weapon performance.
- Identified and highlighted key performance metrics, enabling data-driven gameplay strategies.

Predictive Analysis of Mental Health Trends in the Tech Industry   **July 2023**

- Implemented XGBoost models to predict mental health outcomes, surpassing baseline benchmarks.
- Utilized LIME for model interpretation, revealing actionable insights into key influencing factors.

North America Greenhouse Gas Emissions Analysis & Visualization   **May 2025**

- Explored and visualized emissions trends across North America, providing actionable insights for environmental and economic policy.

- Developed interactive dashboards in Power BI and Tableau, making complex data accessible for a broad audience.

Comparative Analysis of Deep Learning Models for Stock Price Prediction   May 2023
- Researched and implemented LSTM and ARIMA models in Python, optimizing stock price forecasting accuracy.
- Synthesized results into client-ready presentations, recommending best-fit solutions for financial innovation.

Optimizing Credit Card Application Assessment through Classification Models   Oct 2023
- Applied classification models in Python to improve credit risk assessment, increasing accuracy and supporting better lending decisions.
- Managed data integration and feature engineering, ensuring high-quality inputs for model development.

Regression Analysis on Breast Cancer using Minitab   Nov 2023
- Conducted regression modeling and ANOVA to identify predictors of cancer stage, achieving 69% model accuracy.
- Performed chi-square and Bayesian analyses, driving statistically significant findings for predictive modeling.

VOLUNTEER EXPERIENCE

Project Management Intern   **July - Aug 2022**
Amrita Hospital, Faridabad
- Organized and distributed ID cards and invitation letters, ensuring all event participants received timely information and access.
- Coordinated snack preparation and delivery across multiple departments, supporting smooth event operations and staff satisfaction.
- Led a team to streamline event management processes, producing detailed reports that improved planning for future events.

Volunteer, Convocation Ceremonies   **May–Jun 2025**
University of Calgary
- Prepared alumni postcards by attaching golden pins during the Alumni Pin Postcard Preparation Work Bee.
- Supported guest needs and accessibility requirements as a Visitor Experience Host and Accessibility Services Facilitator.
- Collaborated with staff and volunteers to ensure smooth event logistics and enhance attendee satisfaction.

Event Support & Management Volunteer   **2020 - 2022**
School of Computing, Amrita Vishwa Vidyapeetham
- Assisted with organizing academic and social events, managing schedules, and supporting attendees, which enhanced event quality and participant engagement.
- Recognized for reliability and attention to detail, helping events run smoothly and efficiently.

Volunteer & Event Organizer   **2021 - 2023**
AYUDH (International Youth Wing for Youth Empowerment & Social Service)
- Planned and hosted youth empowerment events, managed social media communications, and engaged participants, strengthening community involvement.
- Demonstrated leadership and public speaking skills by compering sessions and fostering a welcoming atmosphere.

Volunteer Organizer   **Oct 2022**
ICPC Asia West Regionals
- Managed logistics and coordinated volunteer teams for a large-scale university programming competition, contributing to seamless event execution.
- Collaborated with diverse groups to address last-minute challenges, ensuring all participants had a positive experience.
- Developed strong communication and multitasking skills by working with staff, students