Sri Harsha Tuttaganti

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Skill Summary

- **Data Management & Analysis:** Proficient in managing, cleaning, and manipulating datasets using Python, R, SQL, and Excel to support analytical workflows and ensure data integrity.
- **Analytical Modeling & Insight Generation:** Skilled in developing and applying analytical models to identify trends, key themes, and actionable insights from complex datasets to support decision-making.
- **Data Visualization & Reporting:** Proficient in creating clear, insightful visualizations and reports using Power BI, Tableau, Excel and Matplotlib to effectively communicate findings to stakeholders.
- **Communication and Collaboration**: Strong problem-solving and communication skills with the ability to work independently and in teams, effectively conveying complex ideas and managing multiple projects.

Education

Master of Data Science and Analytics   **September 2024 - Present**
Faculty of Science | University of Calgary
Projects:

- **Ontario Education System Data Analysis**

  Analyzed Ontario education data to identify trends in student performance and resource use. Created visualizations and reports to support data-driven policy decisions.

- **Life Expectancy Data Analysis**

  Conducted regression analysis in R on WHO datasets to uncover socioeconomic factors influencing life expectancy. Cleaned and transformed multi-year global data, improving modeling accuracy.

Bachelor of Technology, Computer Science and Engineering   **August 2019 – July 2023**
Faculty of Science and Technology | Lovely Professional University
Projects:

- **Intrusion Detection Using Machine Learning Models**

  Collaborated with a team to author a research paper and project on Intrusion Detection using Machine Learning models, enhancing understanding of cybersecurity threats and detection techniques.

- **Fallen City Coin Collection Game**
  Designed and developed a Game. In this game the main character collects coins and gains the score while the enemy is following. Unity and C# are used for this game.

Certificates

- Salesforce CRM, Naresh IT   **March 2024 – May 2024**
- UI Full Stack Web with React JS, Naresh IT   **December 2023 – March 2024**
- Object Oriented Language using Python, e-box   **June 2021 – July 2021**

Volunteer Experience

Research Assistant – EEG Signal Analysis   **Apr 2024 - Present**
University of Calgary

Worked on EEG-based stroke and seizure detection using Python. Preprocessed clinical EEG data, applied deep learning models, and generated explainable AI (XAI) visualizations to interpret brain activity patterns.