

Mehdi Yazdanian

Generative AI Data Scientist

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[LinkedIn](#)
[Portfolio](#)

Education:

Generative AI for Data Scientists, BSU • Completed a Generative AI for Data Scientists program. Completed 4 AI projects focused on using Machine Learning, OpenAI, LangChain, Streamlit, Scikit Learn, H2O, FastAPI, SQL Database and Pandas.

R, Python & API, BSU

- Completed a comprehensive series of courses focused on R, Python and API programming and data analysis, including data manipulation, visualization, and statistical modelling.

MBA, York University

- Specialized in data-driven decision-making, financial analysis, and strategic management, with course work in quantitative methods and business analytics.

M.A.Sc. in Engineering, U of Windsor

- Conducted research in applied engineering, focusing on data analysis and system optimization.

Data Analysis Experience

Data Science | Analyst

Arona-Chemie Co
2020 – Present

- Conducted in-depth data analysis on livestock feed consumption and nutritional outcomes, identifying trends that improved feed formulation and optimized livestock health.
- Developed predictive models using Python and R to forecast livestock growth rates and feed requirements, achieving a %15 reduction in feed costs.
- Automated data pipelines using SQL, Azure Data Factory, and Informatica, ensuring accurate and timely data flow from IoT sensors and farm management systems.
- Applied advanced statistical methods, including ANOVA and regression analysis, to evaluate the effect of various feed compositions on livestock performance)

Work Experience

College Instructor

Conestoga College – ON
September 2019 – December 2024

- Taught Microsoft Applications (PowerPoint, Word, Excel, Sway) to over 1500 students. Developed course materials and lesson plans to teach complex concepts effectively.
- Utilized various teaching methods and technologies to accommodate different learning styles.
- Developed a customized Excel exam system using VBA, tailored to individual students' IDs.
- Automated exam generation and grading, ensuring consistency and fairness.

Pipe Stress Analyst

SNC LAVALIN & WORLEY PARSONS
May 2012 - December 2016

- Led a piping design team for mining projects, ensuring structural and process flow compliance.
- Coordinated with multidisciplinary teams to develop detailed engineering designs.
- Ensured designs adhered to industry standards and regulatory requirements.
- Performed stress calculations and simulations to evaluate the impact of various loads.
- Worked cross-functionally to optimize pipe support and material selection, balancing technical and economic considerations.
- Collaborated with procurement and construction teams to select cost-effective materials.