

# Rohan Gonjari

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## PROFESSIONAL SUMMARY

Versatile Data Scientist & Machine Learning Engineer with a Master's in Data Science & proven track record of 3 years in professional Data Analytics roles. Specialized in imbalanced classification of Multi-View data & hyper-tuning machine learning models as a MLE. As a Data Analyst, leveraged regression models & tableau dashboards to identify target regions to increase sales. Executed projects encompassing end-to-end implementations of ML pipelines, designing database schemas, conducting data analysis & building interactive visualizations. Contributed to research publications on Multimodal Auditory BCI Classification using Graph CNNs.

## TECHNICAL SKILLS

- **Technologies:** Python, MATLAB, R, SQL, MySQL, SAS, Java, JavaScript, HTML, CSS, Tableau, PowerBI, CUDA, GA4, GTM
- **Libraries:** PyTorch, PyG, SciKit-Learn, TensorFlow, Matplotlib, Pandas, Numpy, PySpark, XGBoost, Seaborn
- **AWS:** SageMaker, S3, Snowflake

## PROFESSIONAL EXPERIENCE

**Machine Learning Engineer/Research Assistant** | UMass Dartmouth | North Dartmouth, MA Aug 2022 – Aug 2023

- Performed imbalanced classification of **Multi-View** data through feature selection, feature elimination, & data sampling.
- Generated & manipulated graph data for **Graph CNNs** & popular ML models to implement supervised **machine learning**.
- Modelled neural networks, manipulating layers & hyperparameters to improve performance for **GCNs**.
- Performed dimensionality reduction (**t-SNE**) to help visualize graph nodes and edges using **Seaborn**.

**Data Analyst** | Destek Infosolutions | India Aug 2020 – July 2022

- Collaborated with **120+** clients to implement **Google Analytics** via Google Tag Manager to meet project requirements with a **95% success** rate.
- Initiated a **data sourcing** project, establishing a robust data pipeline for sourcing new data & cleansing old data, then further process data for feature elimination & selection using **NumPy** & **Panda's** libraries.
- Used **regression** models for targeted customer segmentation, resulting in a substantial **18%** sales boost.
- Developed different **Tableau** dashboards to have more visibility of companies' sales portfolio for different products

## EDUCATION

**University of Massachusetts Dartmouth** | North Dartmouth, MA Sept 2021 – Aug 2023

- Masters of Science in Data Science
- Coursework: High-Performance Scientific Computing, Advanced Data Mining, Advanced Machine Learning, Data Visualization, Data Design & Systems, Business Analytics, Graph Neural Networks

**National Institute of Technology Karnataka (NITK), Surathkal** | India July 2016 – June 2020

- Bachelor of Technology in Electronics & Communications Engineering
- Coursework: Numerical Analysis, Discrete Mathematical Structures, Data Structures & Algorithms, Statistical Analysis.

## PROJECTS

**Multimodality-Enhanced Graph Generation & Multimodality-Driven GCN** | [Master's Thesis](#) Aug 2022 – Aug 2023

- Proposed adaptable novel methodologies MEGG & MDGCN to work with Multi-View data across various industries.
- Novel methods showcased an improvement in performance by **16.25% & 21.65%** in two distinct studies.
- Modified models to achieve high immunity & robustness to noisy & corrupted data when injected with Gaussian Noise.

**Hospital Management System (HMS)** Sept 2022 – Dec 2022

- Designed a database to implement an HMS & ensure functional integrity. Then generated tables & attributes using **MySQL**.
- Built a user interface to help users navigate through the database using **Python & MySQL** connector.

**Evaluating Medical Condition of Patients** Feb 2022 – April 2022

- Performed EDA to determine significant features based on correlation & multiple **Regression** models.
- Built Regression model with Cross-Validation & Recursive Feature Elimination with significant & engineered features.

**Visualizing Olympics Performance** | [Link](#) Jan 2022 – April 2022

- Sourced Olympics data between 1960 – 2016 to build dynamic & interactive visualizations using **D3** in **JavaScript**.
- Built a web framework using **HTML & CSS** with added navigation to other visualizations built by team members.