**Rahul Yadav** rahul.kyadav5@tcs.com

**KEY SKILLS**

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| --- | --- | --- |
| * Natural Language Processing * Generative Artificial Intelligence * Prompt Engineering | * Representational Learning * Machine Learning * Predictive Analytics | * Natural Language Generation * Deep Learning * Data Visualization & Sanitization |

**CERTIFICATIONS / COMPETENCIES**

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| --- | --- | --- | --- | --- |
| |  |  |  | | --- | --- | --- | | * Natural Language Processing – E2 * Python – E2 | * Machine Learning – E1 * Deep Learning – E1 | * Data Science – E1 * Certificate in Big data and Hadoop at Studybay Technology | |  |

**AWARDS & ACHIEVEMENTS**

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| * LIREL Award * MFDM AI Aware Award * Continuous Feedback Champion * Vice Chair (IEEE University of Allahabad Student Chapter) | * AIP Anchor Award – 5 * Special Achievement Award * Chairperson (IEEE University of Allahabad Student Chapter) | * Gold Medallist (Masters’) * Embark Award * Multiple Client Appreciations |

**KEY PROJECTS**

* **Regulation Compliance | Stellantis | Generative Artificial Intelligence**
  + Automatically consolidates automobile industry regulations and their amendments, providing a difference report for comparing two versions of the same regulation.
* **Code Migration | NLP CoE | Generative Artificial Intelligence**
  + Converts code from one programming language to another using Natural Language Processing and generative AI techniques. For example SAS to Python, SAS to R, R to Python, etc.
* **Insight Generation from Campaign Data | Microsoft | Generative Artificial Intelligence**
  + Utilizes generative AI to extract insights such as trends, outliers, and lift from campaign data, helping in data-driven decision-making.
* **Customer Persona | Verizon | Generative Artificial Intelligence**
  + Employs a generative AI-powered chatbot that mimics customer behaviour, enhancing customer interactions and support.
* **Narrative Generation | NLP CoE | Generative Artificial Intelligence**
  + Generates detailed narratives for clinical trials using Natural Language Processing and generative AI, aiding in research documentation.
* **User Sentiment Detection | MOOG | Machine Learning**
  + Utilizes machine learning techniques to detect and analyse user sentiments regarding the services provided by MOOG, helping in improving customer satisfaction.

**KEY PUBLICATIONS**

* **A Novel Similarity-Based Parameterized Method for Link Prediction | Elsevier May’23**
* **WeedNet: A deep neural net for weed identification |** [**Elsevier**](https://doi.org/10.1016/B978-0-323-85214-2.00010-0) **Feb’22**
* **Network Embedding Based Link Prediction in Dynamic Networks |** [**Elsevier**](https://doi.org/10.1016/j.future.2021.09.024) **Sept’21**
* **Incorporating Communities' Structures in Predictions of Missing Links |** [**Springer**](https://link.springer.com/article/10.1007/s10844-020-00603-y) **May’20**
* **Hybrid Feature-Based Approach for Recommending Friends in Social Networking Systems |**[**Inderscience**](https://www.inderscience.com/info/inarticle.php?artid=105119) **Feb’20**
* **Hybrid Approach for Predicting and Recommending Links in Social Networks |** [**Springer**](https://doi.org/10.1007/978-981-13-1135-2_9) **Sept’18**