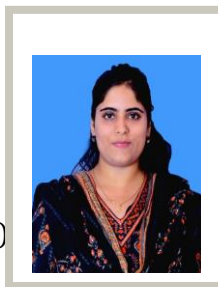# Dr. Malvika Singh
Assistant Professor

Education Qualifications: Doctor of Philosophy (Computer Applications)
Specialization: Machine Learning and Cyber Security

ADDRESS:
- D – Block -Room No. 303

EMAIL:
malvikasingh_it@mgit.ac.in

DATE OF JOINING:
03-07-2023

EXPERIENCE - 1 Year
- Teaching - 1

LET'S MEET ON SOCIAL
- https://www.instagram.com/mgithyderabad
- https://www.linkedin.com/company/mgithyderabad
- https://twitter.com/MGIThyderabad

Membership of Professional Bodies:

1. Association for Computing Machinery (1744761)

Responsibilities Held at Institution Level:

1. Group Member of Center of Excellence in Cyber Security and Quantum Computing
2. Group Member of Women Empowerment Cell

Responsibilities Held at Department Level:

1. Program Coordinator of B.Tech 2nd Year
2. Class Incharge of B.Tech 1st Year
3. Result Analyst

Research Guidance:

NA

Honors/Awards Received:

1. MHRD Fellowship
2. IDRBT-RBI Fellowship
3. Student Exchange Fellowship

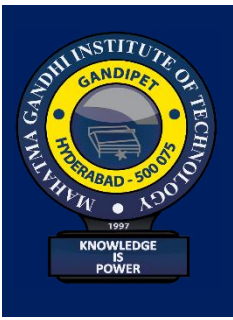**Courses Handled at Under Graduate /Post Graduate Level:**

- **UG:** Python Programming, Data Analytics, Data Visualization, Data Science

Publications:

1. Singh M, Mehtre B, and S Sangeetha (2022). User behavior based Insider Threat Detection using a Multi Fuzzy Classi_er. Multimedia Tools Applications - Springer, 1|31. URL https://doi.org/10.1007/s11042-022-12173-y. [SCIE, IF: 2.757]

2. Singh, M., Mehtre, B. and Sangeetha, S. (2022). Insider Threat Detection and Prevention using Semantic Score and Dynamic Multi Fuzzy Classi_er. International Journal of Ad Hoc and Ubiquitous Computing - Inderscience. URL https://doi.org/10.1504/IJAHUC.2022.10046481. [SCIE, IF: 0.654]

3. Singh Malvika, B. M. Mehtre and S Sangeetha and Venu Govindajaju (2023). User Behaviour based Insider Threat Detection using a Hybrid Learning Approach. Journal of Ambient Intelligence and Humanized Computing - Springer. Vol.14, Issue 3, Pages 4573-4593. URL https://doi.org/10.1007/s12652-023-04581-1. [SCIE, IF: 3.662]

Conferences:

1. M Singh, BM Mehtre, and S Sangeetha (2019). User Behavior Profiling using Ensemble Approach for Insider Threat Detection. In 5th

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- https://twitter.com/MGIThyderabad

International Conference on Identity, Security, and Behavior Analysis (ISBA), Hyderabad, India. IEEE. URL https://doi.org/10.1109/ISBA.2019.8778466 [Scopus Indexed].

2. Singh M, Mehtre BM, and Saangeetha S (2020). Insider Threat Detection Based on User Behaviour Analysis. In Machine Learning, Image Processing, Network Security and Data Sciences (MIND), Singapore. Springer. URL https://doi.org/10.1007/978-981-15-6318-8_45 [Scopus Indexed].

3. M Singh, B Mehtre, and S Sangeetha (2021). User Behaviour based Insider Threat Detection in Critical Infrastructures. In 2nd International Conference on Secure Cyber Computing and Communications (ICSCCC), Jalandhar, India. IEEE. URL https://doi.org/10.1109/ICSCCC51823.2021.9478137 [Scopus Indexed].