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- 2017 **R. Paudel**, W Eberle, D Talbert, “Detection of Anomalous Activity in Diabetic Patients Using Graph-Based Approach”, *In Proceedings of the FLAIRS Conference*, [A](#).
- Poster **R. Paudel**, W Eberle, “An Approach For Concept Drift Detection in a Graph Stream Using a Discriminative Subgraph”, *In Proceedings of Student Research and Creative Inquiry*, 2019.
- R. Paudel**, J Park, and W Eberle , “Mining Heterogeneous Graph for Patterns and Anomalies”, *In Proceedings of Student Research and Creative Inquiry*, 2018.
- R. Paudel** and W Eberle , “Mining Twitter Network for Interaction Patterns”, *In Proceedings of Student Research and Creative Inquiry*, 2014.
- R. Paudel** and W Eberle, “An Approach For Concept Drift Detection in a Graph Stream Using Discriminative Subgraphs”, *ACM Transaction on Knowledge Discovery from Data* - 2019.

PROJECTS

- 2019 **Predicting Highest Growth Customer**, [Q](#).
Prediction of Job Apply Rate for User Visiting Glassdoor, [Q](#).
- 2017 **Anomaly Detection in Opioid Prescription**, [A](#).
Analysis of Pattern Learning and Anomaly Detection on Streams, [A](#).
- 2014 **LINKCUBE: A Tool for Anomaly Detection in Social Network using GBAD**, [Q](#).

AWARDS, HONORS, AND GRANTS

Research Assistant Fellowship, by Tennessee Tech University - College of Engineering (COE) for achieving Carnegie classification, *awarded for being one of the top students from COE, 2016-Present.

Researcher (Cybersecurity), *NSF Grant Number 1852126*, under the PI/co-PI Dr. Syed Rafay Hasan and Dr. Mohamed Mahmoud, 2019.

Best Research Poster, *An Approach for Concept Drift Detection in a Graph Stream using Discriminative Subgraph*, The 14th Annual Research and Creative Inquiry Day, 2019.

Researcher (Cybersecurity), *NSF Grant Number 1560434*, under the PI/co-PI Dr. Syed Rafay Hasan and Dr. Mohamed Mahmoud, 2018.

RESEARCH INTERESTS

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|--|---------------------------------|
| o Graph Stream Classification | o Graph-based Anomaly Detection |
| o Machine Learning & Artificial Intelligence | o Anomaly/Fraud Detection |
| o Concept Drift Detection | o Time-series Analysis |

PRESENTATIONS

Research Paper Presentation, *The Future Technology Conference*, CA, 2019.

Research Paper Presentation, *The Thirty Second International FLAIRS Conference*, FL, 2019.

Research Paper Presentation, *International Conference on Data Science*, Las Vegas, NV, 2018.

Research Presentation, on "Anomalous Activity Detection in Smart Homes using a Graph-Based Approach", at the Graduate Student Seminar, 2018.

Research Paper Presentation, *The Thirtieth International FLAIRS Conference*, FL, 2017.

CONFERENCES AND WORKSHOPS

The Future Technologies Conference (FTC 2019), San Francisco, CA 2019.

The 32nd International FLAIRS Conference, Sarasota, FL 2019.

The International Conference on Data Science (ICDATA), Las Vegas, NV 2018.

The 30th International FLAIRS Conference, Sarasota, FL 2017.

OTHER EXPERIENCES

Paper Reviewer, IEEE Journal of Biomedical and Health Informatics, 2019.

Graduate Research Mentor, NSF Research Experience for Undergraduates, 2019.

Paper Reviewer, Springer Journal on Social Network Analysis and Mining (SNAM), 2019.

Graduate Research Mentor, NSF Funded Research Experience for Undergraduates, 2018.

Paper Reviewer, SIAM International Conference on Data Mining (SDM), 2017.