Ramesh Paudel

1314 W Broad St, Apt G1
Cookeville, TN 38501
✆ (980) 621 0415
✉ rpaudel42@students.tntech.edu
⌂ https://rpaudel42.github.io
in www.linkedin.com/in/rpaudel42
○ https://github.com/rpaudel42

Education

2016-Present	**PhD in Computer Science**, TENNESSEE TECH UNIVERSITY, Cookeville, TN. Machine Learning, Data Mining, Concept Drift Detection on Graph Streams, Graph-based Anomaly Detection
2012–2014	**Masters in Computer Science**, TENNESSEE TECH UNIVERSITY, Cookeville, TN. Specialized in Data Mining and Machine Learning
2007–2010	**Bachelor in Information Technology**, PURBANCHAL UNIVERSITY, Nepal.

Technical skills

Language	Python, R, SQL, Asp.Net, C#, Java, C++, Php, LaTeX, Javascript, HTML, CSS
Tools	Tensorflow, Keras, Scikit-learn, Numpy, Scipy, Pandas, Matplotlib, Weka, Orange, Git/GitHub, Google Analytic,
Database	MySql, Oracle, SQL Server, MongoDB
Others	Strong knowledge of Object Oriented Programming, Data Structures/Algorithms,
Coursework	Data Mining, Machine Learning, Learning Theory, Anomaly/Intrusion Detection System, Concept Drift Prediction, Adaptive Threshold Mining, Distributed/Parallel Algorithms, Internet Algorithmic

Experience

2016–Present	**Research Assistant**, TENNESSEE TECH UNIVERSITY, Cookeville, TN. Actively working on research related to concept drift detection, graph streams classification, graph-based Anomaly, change detection on time-series, and time-series prediction.
Summer 2018	**Instructor**, TENNESSEE TECH UNIVERSITY, Cookeville, TN, Course taught: **Discrete Mathematics**.
2014–2016	**Data Analyst/Software Developer**, BESPOKE HOUSE INC., Boston. ○ Analyze web, social media and search data using SQL and Google Analytic. ○ Analyze booking and buying pattern for hotels and suggest marketing campaign. ○ Assemble, monitor and develop search engine optimization campaigns. ○ Develop real estate and boutique hotel websites using Asp.Net platform.
2012–2014	**Teaching Assistant**, TENNESSEE TECH UNIVERSITY, Cookeville, TN. Assisted Courses: Data structure/algorithm, Computer Programming
2010–2012	**Software Developer**, MIDAS TECHNOLOGIES, Kathmandu. ○ Develop report interface, laboratory, medical record & OT module of Hospital Management Information System. ○ Verify, process, and analyze the HMIS data. ○ Provide report/feedback to government agencies/hospitals on coverage and quality of health services.

Publications

2019	**Detecting the Onset of a Network Layer DoS Attack with a Graph-Based Approach**, *R Paudel, P Harlan, W Eberle*, FLAIRS-32.
2018	**Anomaly Detection of Elderly Patient Activities in Smart Homes using a Graph-Based Approach**, *R Paudel, W Eberle, LB Holder*, 2018 International Conference on Data Science, ⮶.
	Cognitive Health Prediction on the Elderly Using Sensor Data in Smart Homes, *R Paudel, K Dunn, W Eberle, D Chaung*, FLAIRS-31, ⮶ ○.
2017	**Detection of Anomalous Activity in Diabetic Patients Using Graph-Based Approach**, *R Paudel, W Eberle, D Talbert*, FLAIRS-30, ⮶.

Projects

2019	**Detecting Spam Tweets in Trending Topics**, ○.
	Prediction of Job Apply Rate for User Visiting Glassdoor, ○.
2017	**Anomaly Detection in Opioid Prescription**, ⮶.
	Analysis of Pattern Learning and Anomaly Detection on Streams, ⮶.
2014	**LINKCUBE: A Tool for Anomaly Detection in Social Network using GBAD**, ○.