

KUNAL

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EDUCATION

National Institute of Technology (N.I.T.), Kurukshetra <i>Master of Technology (M.Tech.) in Computer Engineering, 7.8 CGPA</i>	Kurukshetra, IN 2017 – 2019
Maharshi Dayanand University (M.D.U.), Rohtak <i>Bachelor of Technology (B.Tech.) in Computer Engineering, 7.5 CGPA</i>	Rohtak, IN 2012 – 2016
Model School <i>Class XII Central Board of Secondary Education (C.B.S.E.), 64%</i>	Rohtak, IN 2012
Model School <i>Class X Central Board of Secondary Education (C.B.S.E.), 8.4 CGPA</i>	Rohtak, IN 2010

EXPERIENCE

Software Engineer <i>Working on API Development /Integration using Mulesoft Anypoint Platform</i> <ul style="list-style-type: none">Passed "MuleSoft Certified Developer - Level 1" Certification (Proctored, 1st Attempt)	2020 – Present
Graduate Research Assistant <i>M.Tech Thesis Project</i> <ul style="list-style-type: none">Used Feature Selection and Ensemble of Machine Learning Classifiers on NSL KDD'cup Dataset using WEKA Data Mining tool to find Anomalies in Intrusion Detection System with high accuracy in both Binary and Multi-Class Classification.	2018 – 2019

PUBLICATIONS

- Kunal and M. Dua,"Attribute Selection and Ensemble Classifier based Novel Approach to Intrusion Detection System",Procedia Computer Science, Volume 167, 2020, Pages 2191-2199, ISSN 1877-0509, ELSEVIER, <https://doi.org/10.1016/j.procs.2020.03.271>.
- Kunal and M. Dua, "Machine Learning Approach to IDS: A Comprehensive Review," 2019 3rd International conference on Electronics, Communication and Aerospace Technology (ICECA), Coimbatore, India, 2019, pp. 117-121,IEEE, <https://doi.org/10.1109/ICECA.2019.8822120>.

CERTIFICATIONS

Coursera IBM Data Science Professional Certificate	2019 – 2020
Open Source tools for Data Science	Data Analysis with Python
Data Science Methodology	Machine Learning with Python
Python for Data Science and AI	Data Visualization with Python
Databases and SQL for Data Science	

TECHNICAL SKILLS

Languages: Python, C/C++, Java, SQL, Restful APIs (Json, Dataweave, Xml, Yaml), Html
Tools: Git, Weka, Matlab, PyCharm, Jupyter Notebook, Eclipse
Libraries: Pandas, NumPy, Scikit-learn, Matplotlib
Knowledge of: Data Structures, Algorithms, Data Analytics, Databases, Machine Learning

ACTIVITIES AND INTERESTS

- Member of Organizing Committee in "1st International Conference on Machine learning, Image Processing, Network Security and Data Science (MIND-2019)", Springer
- Attended Conference Workshop on Deep Learning Network Security, MIND-2019
- Qualified GATE CSE and UCG-NET Computer Science
- Badminton, Cycling, Gym, Gaming (E-Sports), Travel