

SHIVANI TYAGI

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Address: C-402SHIKSHA NIKETAN APPARTMENT SEC-5 VASUNDHARA GHAZIABAD

EDUCATIONAL QUALIFICATIONS

Course (Stream)/Examination	Institution/University	Year of Passing	Performance
M.Tech (Computer Science & Engineering)	Jaypee Institute of Information Technology, Noida	2019	8.3 CGPA
B. Tech (Computer Science & Engineering)	Raj Kumar Goel Institute of Technology, Ghaziabad (AKTU)	2017	75.4% [3770/5000]
12 th Senior Secondary Examination (PCM)	Delhi Public School, Vasundhara (CBSE)	2013	71.6% [358/500]
10 th Secondary Education	M.A.P.S, Vasundhara (CBSE)	2011	8.4 CGPA

PROGRAMMING SKILLS

- **Languages:** JAVA, PYTHON and R
- **Web Technologies:** HTML, XML and CSS
- **Cyber Security:** Networking, System Fundamentals of LINUX & WINDOWS, Cyber Forensic, Web Server & Application Security, Cryptography & Network Security, Auditing.
- **Visualization Tools:** TABLEAU and XMDV Tool
- **Database knowledge:** SQL and XAMPP
- Basic knowledge of Android Development

RESEARCH AND PAPER PUBLICATION

- **Chapter published** in Handbook of Computer Networks and Cyber Security Principles &Paradigms- CNCS2019: **“COMPUTATIONAL TECHNIQUES FOR REAL TIME CREDIT CARD FRAUD DETECTION”**
- **Paper published** in Confluence- 2019 9th International Conference on Cloud System & Big Data Engineering-IEEE: **“PERFORMANCE EVALUATION OF MACHINE LEARNING ALGORITHMS FOR CREDIT CARD FRAUD DETECTION”**
- **Paper Published** in International Conference on Recent Innovations in Computing (ICRIC-2019)- Springer: **“SAMPLING APPROACHES FOR IMBALANCED DATA CLASSIFICATION PROBLEM IN MACHINE LEARNING”**

PROJECT WORK

- Network Anomaly Detection using Machine Learning- LINUX, Wireshark & Python
- Proposed a new undersampling approach “NOL- Neighbors on Line”-R & Python
- Working with Resampling Techniques to handle imbalanced dataset-R & Python
- Performance Evaluation of ML algorithms for Credit Card Fraud Detection-R & Python
- Data Mining Project About Recognizing Human Activity-Python: (<https://github.com/SHIVITG/PYTHON-DATA-MINING>)
- Website Sample For AICTE-Final Year BTech Project-Java

TRAINING AND WORKSHOPS

- 4-months training on “CYBER SECURITY”, a joint scholarship program Cyber Shikshaa from MICROSOFT and DSCI
- 4-weeks Python Training certification from INTERNSHALA
- 6-weeks training on Java (core) from HCL, CDC.
- 4-weeks training on Java (core) from ORACLE.
- Participated in IIT Bombay project (Spoken Tutorials), qualified the tests in C, C++, Linux, PHP, Java and MySQL.

EXTRA CURRICULAR ACTIVITIES

- Participated in documentary making, photography & group discussion event organized in RKGITM.
- Worked as a content writer with AnswerForSure.com, Qnswr, Nikulsan Technologies Private Limited, Ducks Posts.
- Attended an Interactive session on “Importance of Intellectual Property Rights” organized by IEDC RKGITW.

OTHER INTERESTS & ACTIVITIES

- Content writing, Blogging & story writing
- Solving Aptitude questions