

RESUME

Toya Acharya
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OBJECTIVE

Dedicated hardworking graduate student seeking an internship position in a professional environment where I can diversify and improve knowledge using my strong educational background in Electrical Engineering, Cybersecurity, and machine learning.

ACADEMIC QUALIFICATION

- PhD Scholar, Prairie View A & M University Fall 2020-
Research on Network intrusion detection system and machine learning, Data Mining
- MSEE, Prairie View A&M University 2020
Thesis on NIDS and Machine Learning, deep learning, Ethical hacking,
- Bachelor's Degree, Electronics & Communication Engineering, PU 2006

AWARDS AND CERTIFICATIONS:

- SFS Scholarship 2020
- Cisco Global Cyber Ops Scholarship 2017
- CompTIA A+ 220-901, COMP001021371370
- CCNA Routing and Switching, CSC012912355

EXPERIENCES:

GRADUATE ASSISTANT RESEARCH 05/2020-09/2020

PRAIRIE VIEW A & M, PRAIRIE VIEW TX 77446, PH: 936-261-3311

- Perform research for the center for cybersecurity research
- Assist in the development of hardware/software security solutions/platforms

IT SUPPORT TECHNICIAN / INSTRUCTOR 09/2007 to 07/2009

POKHARA ENGINEERING COLLEGE, POKHARA NEPAL, PH: +977-61-531209

- Installing and configuring new hardware/software
- Configure LAN networks
- Identifying the sources of problems
- Provided base level IT support to non-technical personnel within the Organization
- Built and provided basic end-user troubleshooting and desktop support on Windows
- Assist on course project, Lab work
- Provide the lecture and grade the assigned course

SKILLS

Professional Skills:

- Google Hacking, Ethical Hacking, Cyber Attack Method, Computer forensics, Network Intrusion Analysis, Security Monitoring, Pen Testing, LAN switching and troubleshooting, Network Topologies, Machine Learning, Deep Learning, Data Mining, Channel Emulator SR5500

Computer Skills:

- Hardware and software Troubleshooting, Windows, Kali, Linux, Mac Support, Printer configuration and troubleshooting, C, Python, MATHLAB, Simulink, Wireshark, WEKA

Other Skills:

- High standard of communication skills with peers, fellows and others
- Worked as a coordinator in different professional and non-professional activities
- Good knowledge, practice and understanding of time management skills
- Strong ability to study, search and collect research materials through Internet or library
- Strong proposal, report, article writing and documentation skills

PROJECTS ACCOMPLISHED:

- RF modulation classification using machine learning and channel emulator
- Waveform classification using wavelet and machine learning
- Comparing the efficacy of machine learning using PIMA datasets

TRAINING:

- Cisco Routing and Switching Training, Lone Star Community College Cyfair TX
- CompTIA A+, Houston Community College West Loop Houston TX

LANGUAGES:

- English, Nepali and Hindi

REFERENCES:

- Dr Mohamed F. Chouikha, **Chief Scientist & Executive Director, SECURE**, Prairie View A & M University, mfchouikha@pvamu.edu
- Dr Annamalai Annamalai, **Professor** Prairie View A & M University, aaannamalai@pvamu.edu, 936-261-9991