DHRUTI RANJAN MOHANTY

Cuttack, Odisha

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EDUCATION

Rajiv Gandhi National Institute of Youth Development   **11 2021 – 07 2023(expected)**
*M.Sc. Computer Science (Cyber Security) - **Percentage - 80% upto 3rd Sem***   *Sriperumbudur, Tamilnadu*

Buxi Jagabandhu Bidyadhar Autonomous College   **06 2018 – 06 2021**
*under Utkal University - B.Sc. Bioinformatics - **Percentage - 63%***   *Bhubaneswar, Odisha*

Adyant +2 Science College, Khurdha, Odisha   **06 2016 – 05 2018**
*Subjects: P C M B - **Percentage - 68%***   *Bhubaneswar, Odisha*

PROJECTS

Machine Learning Model for Intrusion Detection ⃗ |

- Used Xerxes tool to simulate the DDOS attack in Parrot OS environment and captured the network traffic using Wireshark.
- Performed Data Analysis on NSL-KDD dataset using Python in Jupyter Notebook.
- Analysed the test accuracy of Binary Classification models

Computer Forensic Investigation - A Case Study ⃗ |

- Paper includes Computer Forensic Investigation Model.
- Collected volatile and non-volatile data using various tools.
- Malware analysis (both static and dynamic).
- Made a detailed forensic report and provides countermeasures.

Sequence Similarity Search of Nsp4 Protein ⃗ |

- Paper includes structure of the corona virus protein and their function with diagram.
- Retrived the amino acid sequence of nsp4 protein using FASTA tool
- Sequence similarity check against nsp4 protein using BLAST tool
- Specifically used PSI-BLAST here

PUBLICATION

DDOS Attack Simulation and Machine Learning Model for Intrusion Detection

- published in the National Conference on Youth Advanced Computational Convergence (YACC2023) at RGNIYD, Sriperumbudur, Tamil Nadu on 21 March 2023 in sponsorship with Indian Council of Social Science Research (ICSSR), New Delhi.
- CBA Publisher: **ISBN 978-93-80430-83-6**

TECHNICAL SKILLS

Programming Languages: Python, Basics of C, Basics of Bash scripting, HTML5, CSS3
Security Tools: Nmap, Zenmap, Wireshark, Burp Suite
Forensic Tools: Autopsy, The Sleuth Kit
Operating Systems: Kali Linux, Parrot, Ubuntu, Windows
Technologies/Frameworks: Git, GitHub, VMware, VirtualBox, Microsoft (Word, Excel, PowerPoint), Canva, LaTeX

CERTIFICATIONS

- Bridge Course on Cloud Solution Architect - SSC, Nasscom
- Cloud Security Basics - Coursera

ACHIEVEMENT

- 2nd prize holder on Poster Presentation in the National Conference on Youth Advanced Computational Convergence (YACC2023) at RGNIYD, Sriperumbudur, Tamil Nadu.
- Theme of the Poster: **Is Google Pay Legit or Scam?**