NIHALA M N
FRESHER

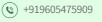+919605475909
Thrissur, Kerala, India
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SUMMARY

Highly motivated cybersecurity fresher seeking an entry-level position to apply my knowledge and skills in safeguarding digital systems and data. Eager to contribute to an organization's cybersecurity efforts through my strong educational background and passion for the field.

EDUCATION

Masters in Computer Science with Cyber Security
2021 - 2023

Rajiv Gandhi National Institute in Youth Development (RGNIYD), Sriperumbudur, Tamil Nadu
Under Central University

Bachlers in Computer Science
2018 - 2021

Al Ameen College, Edathala, Kerala
Under Mahatma Gandhi University

PROJECTS

COVID-19 PREDICTION SYSTEM AND MEDICAL IMAGE ENCRYPTION FOR SECURING MEDICAL IMAGE DATA IN CLOUD
PG Final Semester Project

- *Finding the highest accuracy for predicting Covid-19, and prediction using the Convolutional Neural Network called DenseNet-169.*
- *Advanced Encryption Standard Algorithm of 128-bit key is used for Image Encryption.*
- *Encrypted Images are stored in amazon cloud platform in s3 bucket.*

DISTRIBUTED DENIAL OF SERVICE ATTACK SIMULATION & MACHINE LEARNING MODEL FOR INTRUSION DETECTION
PG Group Project

- *Discovered various types of tools to simulate the DDoS attack in a safe environment.*
- *Performed DDOS attack using xerxos tool in Parrot OS and captured the network traffic using the wireshark tool for analyzing.*
- *Visualized the variance of data variance of data accuractyof different classification models*

COMPUTER FORENSICS INVESTIGATION
PG Case Study

- *Investigation to check the exact vulnerability occurred to a shopping website using different kinds of tools like bulk extractor, Redline, and Autopsy.*
- *Provide guidelines and recommendations to avoid threats in future.*

STUDENT ATTENDANCE MANAGEMENT SYSTEM
UG Final Semester Project

- *The system provides an efficient and user-friendly Android mobile application for Students Attendance Monitoring.*
- *Developed using Android Studio programming tool and Java Programming language.*

BOOK RENTAL
UG fifth Semester Mini Project

- *A web page that was incorporated in PHP and MYSQL languages where people can rent books without spending much money by buying books.*
- *Using this site people can make money from already read books by lending them.*

CERTIFICATIONS

Blockchain Evolution and Technology Concepts
Coursera • June 2023

Bridge Course on Cloud Solution Architect
Sector Skills Council NASSCOM • May 2023

Python Basic Course
Perfect eLearning • May 2023

Data Analysis with Python
Sector Skills Council NASSCOM • April 2023

Job Ready Course
Wadhwani Foundation • Jan 2021

Red Hat Certified System Administration
Red Hat Software Services • 1 week • May 2019

Junior Programmer (Programming practice in C)
Sprintek • May 2017

SKILLS

Programming Languages :
- Python
- C

Tools :
- Autopsy
- Nessus
- FTK Imager
- Snort
- Redline
- Cisco Packet Tracer

Operating System :
- Windows
- Kali Linux
- Parrot OS

Knowledge:
- Intrusion Detection and Prevention System
- Top 10 Open Web Application Security Project (OWASP)
- Firewall

Interest:
- Computer Forensics
- Networking & Security
- Risk Identification and Management

PUBLICATIONS

Distributed Denial of Service Attack Simulation & Machine Learning Model for Intrusion Detection
- *Published in the National Conference on Youth Advanced Computational Convergence (YACC2023)*