

RISHANK GOYAL CV

Indian Institute of Information Technology, Tiruchirappalli-620012

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EXPERIENCE

Wireless Network Time Synchronization

Research Internship

📅 July 2022 – September 2022 📍 IIIT Tiruchirappalli

- Use of PTP(Precision Time Protocol) in wireless network
- Worked on increasing the clock accuracy using Precision Time Protocol.
- Creating a improved version of PTP algorithm for effective synchronization

Blockchain optimisation

Research Internship

📅 November 2022 – in process 📍 MNIT, Jaipur

- Working on the optimisation of loops.

PROJECTS

Alien-Invasion Game

Self-Learning Project

📅 March 2021 – May 2021

- python based project (pygame)
- A ship is controlled by a player and shoot bullets in order to destroy aliens.

Evil Twin Attack (Using Captive Portal)

Exploratory Project

📅 September 2022– November 2022

- setting up of a WiFi rouge access point impersonating the legitimate AP in python language
- using dnsmasq, iptables, apache (HTML, CSS, JavaScript) etc.
- using aircrack tools

Cryptography Android App project

Exploratory Project

📅 April 2021 – December 2021

- Android app based on Cryptography algorithms in Java.
- tried Encryption and Decryption Application in Android using Caesar Cipher Algorithm

Keylogger

Self Learning Project

📅 April 2020 - June2020

- capturing and monitoring of all keylogs
- record sound with microphone using a sounddevice module

EDUCATION

B.Tech Computer Sciences.

IIIT-Tiruchirappalli

📅 November 2020 – Present CGPA:8.64

Class XII

Tilak Public School, Jaipur

📅 2019

Class X

Saint Anselm Sr. Sec. School

📅 2017

SKILLS

C/C++ Python HTML JAVA
GIT CSS JAVASCRIPT RUBY
RUBY ON RAILS CRYPTOGRAPHY
Smart contracts CYBERSECURITY
NETWORK SECURTIIY TOOLS NLP
Machine Learning Deep Learning
Blockchain Development UNIX

COURSEWORK/COURSES UNDERTAKEN

- Data Structures and Algorithms
- Learn to Code with Ruby - (UDEMY)
- Cryptography and Hashing Fundamentals in Python and Java- (UDEMY)
- Engineering Mathematics I & II
- Master Modern Security and Cryptography by Coding in Python- (UDEMY)
- Data Computing and Computer Networks

POSITION OF RESPONSIBILITY

- EBSB CLUB CORIDINATOR (Govt. Club) conducted 6 event succesfully
- Aikyam Magazine editor (Bi-monthly college magazine)

ACHIEVEMENTS

- cracked KVPY2018 (I) , IMO (SOF) regional gold medalist.