

NIMISH DUDHE

CSE UNDERGRAD STUDENT | PRE-FINAL YEAR

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SUMMARY

A Pre-Final Year Computer Science and Engineering Student at RGIPT. Interested in the field of Cyber-Security. In the top 2% of TryHackMe. Has a keen interest in reverse engineering, low level languages and Security Operations Center. Loves to get hands dirty on new challenges and to learn new things.

EDUCATION

Computer Science and Engineering(B.Tech)

Rajiv Gandhi Institute of Petroleum Technology, Jais, Uttar Pradesh

Jan 2020 - Present

Pre-Final year Project and Research : "Dynamic Instructions Calculation - Tool" :

- Finding the total instructions during **dynamic execution** of a process with **100% precision**.
- Using **Bash** and **Python** to accurately calculate the **no. of instructions** for an executable program.
- Calculating the **accurate time** required by a **user process** on a **specific processor**.
- Performing **assembly level analysis** on user applications.
- Using **gdb** for **debugging** and **analysis**.

11th & 12th Science (State Board) (64.31%)

Rajiv Gandhi Mahavidyalaya, Chandrapur, Maharashtra

May 2017 - Jul 2019

- Computer Science (Grade I)
- English (Grade I)
- Maths (Grade II)

10th (CBSE) (7.6 GPA)

Bishop Januarius Memorial Carmel Academy

May 2016 - Jul 2017

PERSONAL PROJECTS

Crackcat

Oct 2022 - Present

An application for automating the process of analyzing and cracking the hash.

- A bash script that automates the process to find the hash type of the provided hash value
- Takes the possible hash values from the generated file and starts trying to crack them.
- It mainly uses the hashcat program.

Simple Java Encryption

July 2022

A substitution cipher made in Java.

- A java program which takes an input string and encrypts it substituting each character with a set of characters.
 - Comprises of an algorithm for encryption and another algorithm which reverses the encryption performed.
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SKILLS

Assembly Language | C | Python Scripting | Bash Scripting | Linux | Reverse Engineering | Hash Cracking

LANGUAGES

English | Hindi | Marathi

WEB & SOCIAL

TryHackMe | LinkedIn | GitHub

Medium | HackTheBox