

NIRAJ UPPADHYA

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EDUCATION

Sikkim Manipal Institute of Technology, Sikkim
B. Tech in Computer Science & Engineering
05/2019 – 05/2023

MAJITAR, SIKKIM, INDIA
8.60 CGPA

Senior Secondary, Chandra Nath Bezbarua College
05/2015 – 05/2017

BOKAKHAT, ASSAM, INDIA
PERCENTAGE: 71%

Higher Secondary, Kristo Jyoti School
02/2005 – 03/2015

BOKAKHAT, ASSAM, INDIA
PERCENTAGE: 81%

INTERSHIPS

KEYSIGHT TECHNOLOGIES, Vulnerability research and exploit traffic simulation

- Worked with **7+ software vulnerabilities** where I researched into the vulnerability, reproduced the vulnerable setup, and performed the exploitation.
- Added the simulation of the traffic as part of BreakingPoint Systems which required understanding of the payload involved in the exploitation.
- Familiar with vulnerability related concepts like **CVE, CVSS, CWE, POC**.

KOLKATA, INDIA
01/2023 – 06/2023

AMTRON, Cyber security Intern

- Web Application Penetration testing using **Metasploit** and **Metasploitable 2**.
- Worked with **Nessus** tool to monitor the cyber security and performance to generate a report on the vulnerability assessment of a web application.
- Worked with **CentOS, Kali, Ubuntu**, and practical concept of networking (**TCP/IP, Routers**).

GUWAHATI, INDIA
12/2021 – 01/2022

PROJECTS

Secure Messenger: end-to-end encrypted

04/2022 – 05/2022

- This is an android application that can be used to prevent message interception or communication network attacks.
- This app uses **Symmetric** and **Asymmetric** cryptography algorithms to **encrypt** and **decrypt** the message.
- Algorithms used: AES, DES, MD5, RSA.**

Chat Messenger

02/2022 – 05/2022

- Developed a web application that helps the user in one-to-one communication.
- Designed and Developed a **Login** page that allows users to communicate with high security.
- It shows the list of all the **online** and **offline** users in real-time, by making use of the **firebase onSnapshot** functionality.
- Technologies used: React JS, Material UI, and Firebase.**

TECHNICAL SKILLS

- Languages:** C, C++
- Web technologies:** HTML, CSS, React
- Also familiar with:** Python, DBMS, Java, Ruby, Cryptography, Docker, Blockchain
- Operating System:** Windows, Ubuntu
- Software:** Android Studio, VS Code

EXTRA-CURRICULAR ACTIVITIES

- Champion** of Inter-Departmental Sports Competition (Tug of War).
- Kaalrav 2020 Event Management.
- Volunteer in cultural committee 2020 to organize a cultural fest.

CERTIFICATIONS

- Goldman Sachs** Engineering Virtual Program.
- Introduction to **IoT (Cisco)**.
- Complete Web Development (**Udemy**).
- Introduction to **Cryptography** for Beginners.
- Introduction to **Cloud Computing**.
- Joy of Computing Using Python (**NPTEL**).