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Mahendra Kumar

Technical Skills: C++, Python, Problem Solving, SQL, Golang, React, JavaScript, Penetration testing, Linux.
Certification: Certified Appsec Practitioner, Digital Investigation – Rex Cyber Solutions, NSE-1, NSE-2, NSE-3.

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	August 2020 –Ongoing	VIT Bhopal University, Bhopal	8.4/10
Class XII	May 2019	Army Public School, JAK RIF RC, Jabalpur	87.6%
Class X	May 2017	Army Public School, Kolkata	9/10

ACADEMIC PROJECTS

Cyber bullying Prevention framework	▪ **Cyber Bullying Prevention Framework (November 2022 – ongoing):** - Description: Objective is to tackle cyber bullying and helping the victims to get solution and support from our platform using Machine learning and automated report formation. - Technology: Data sets, Machine learning, AI api, Golang, React and others still to be added. - Team Project: 3 members - Role: lead, developer, and architecture designer. - Link and Results: ongoing
Arjuna	▪ **Arjuna - An Attack Preventing and Investigation Toolkit:** - Description: A project to find vulnerabilities and attacking vectors in a domain aiming to secure small scale business. - Technology: Python, C++, API (Virus Total), Shodan - Team Project: 4 members - Role: Architecture Designer, Developer, Report writing - Link and Results: https://github.com/technoreck/Arjuna
Audio Cryptography	▪ **AUDSTEG:** - Description: A program with CLI interface which encrypts an audio file with an image as the key and after encryption, both encrypted audio and the key cannot be accessed due to steganography. - Technology: Python, Audio Encryption and Decryption, Steganography - Team Project: 4 members - Role: Developer (Image as a key and steganography) - Link and Results: https://github.com/technoreck/Audsteg

INTERNSHIP EXPERIENCE

Virtually Testing Foundation Oct 20 – Dec 20	▪ **Penetration Testing Intern:** - Assignment was to Test the portal for different vulnerabilities (client and Server-side vulnerabilities), find attack vectors. - It was a 10-week internship with a set of vulnerabilities as a target per week. - Every week a bug report about how the vulnerability was produced and how it can be prevented and a presentation must be submitted about the vulnerability and the bug found.

EXTRA-CURRICULARS AND ACHIEVEMENTS

Achievements	▪ SIH 2022 University Finalist in Software Category. ▪ 3-star Competitive Coder and 150+ contest problems on CodeChef, 130+ problems LeetCode(1516 Rating). ▪ 300-day streak and top 3000 rank on TryHackMe. ▪ Swags and Goodies by Successful Open-Source Contribution in Hacktoberfest 2021, 2022.
Responsibilities	▪ Secretary of Cyber Warriors Club, Managing the Technical team, Web Team and Content team is my main responsibility. ▪ Organized Cyber4U VIT Bhopal, a cyber event for school students by VIT Bhopal.

	▪ Technical Team member and CTF developer in CYVIT, An annual cyber event of VIT Bhopal. Developed CTF for WiCyS VIT Bhopal chapter event.
Extracurricular	▪ Got My Articles on Cyber Security topics published in Cyberzine (Annual Magazine of cyber department VIT Bhopal) and ▪ Got my Walkthroughs of CTFs and Articles officially accepted by TryHackMe platform. ▪ District and Command (ARMY) Level Basket Ball Player, Anchoring and Singing at Army Organized Events.

ADDITIONAL INFORMATION

Hobbies	▪ Singing, writing rap and song lyrics (targeting Social Issues). ▪ Beatboxing ▪ Writing and Reading blogs.
Languages	▪ English, Hindi