STAVYA PATHAK

+91 9310675845 | stavya1245@gmail.com | LinkedIn | GitHub

EDUCATION

Delhi Technological University	New Delhi
Bachelor of Technology in Engineering physics	2021 - 2025
Cumulative GPA: 8.8 (Till 2nd Semester)	

Mayur Public School	New Delhi
Class XII | CBSE(Physics, Chemistry, Mathematics and Computer Science)	2020 - 2021
Percentage: 91%	
Class X | CBSE	New Delhi
Percentage: 89.2%	2023 - 2024

ACHIEVEMENTS

- All India Rank 7 on CTFtime
- NCIIPC-AICTE Pentathon AIR 12
- Recipient of 1st prize in IICON CTF, 1st in d4rkc0d3 CTF, 4th in 07CTF, 15th in BITS CTF , 11th in ACE CTF , 23rd in Kashi CTF , 37th in Tamu CTF

EXPERIENCE

- **Blockchain Intern at Lokachakra** - Developed, audited and deployed Sui Move smart contracts, integrating on-chain logic with off-chain applications

PROJECTS

EHAX CTF (Post) — Feb 2025
- Created and hosted EHAX CTF, a Jeopardy-style cybersecurity competition, on CTFd.
- Developed and deployed 20 diverse challenges in web exploitation, reverse engineering, binary exploitation, cryptography, and digital forensics on an Azure server
- Managed unexpected traffic by expanding server capacity for over 50 participants and 30 teams

Memory Dump Visualizer (Link) — Sep 2025
- Built an interactive visualization layer on top of Volatility to simplify memory dump analysis and accelerate digital forensic investigations.
- Designed modular architecture supporting over 20 Volatility plugins with visual analytics and anomaly detection
- Automated parsing of processes, network connections, and modules from dumps, achieving 50% faster triage time compared to manual Volatility analysis

SKILLS

- **Languages :** Python , Javascript , Bash , C++, C , Go , sui-move , Solidity — Sep 2025
- **Blockchain :** Ethereum , Solidity , web3js , Javascript , sui-move , sui
- **Cybersecurity:** VAPT , OSINT , DFIR , Cryptography , Memory Forensics , Steganography , Linux Endpoint Investigations, Windows Forensics
- **Tools & Framework :** Nmap, NetCat, Metasploit, Volatility, SleuthKit, FTK, Autopsy, hexedit, Linux, Burp Suite , ADB, Git, Azure, ESP32, Arduino & Docker
- **Other**: Operating System , IOT , DIY Electronics & Computer Networks

POSITIONS OF RESPONSIBILITY

CTF player for EHAX - The Ethical Hacking & Cybersecurity Society of DTU
- EHAX is ranked in top 10 teams in india and top 50 in world at ctftime
- Recipient of 1st prize in IICON CTF, 1st in d4rkc0d3 CTF, 4th in 07CTF, 15th in BITS CTF , 11th in ACE CTF , 23rd in Kashi CTF , 37th in Tamu CTF

ADDITIONAL

- Contributed to the cybersecurity community by sharing CTF writeups (Link)
- Volunteered in EHAX CTF , Assisted with event sessions and programs , made challenges for the CTF
- Participated in hackathons & CTF organized by IGDTUW, IIT Roorkee, and DTU, showcasing innovation and problem-solving