

Soham Banerjee

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY (VIT)

Masters in Computer Application (MCA)

Relevant Coursework: Data Analysis, Software Engineering, Operating Systems, AI/ML

Vellore, TN

2023 - 2025

THE HERITAGE ACADEMY:

Honors degree in Bachelors in Computer Application (BCA)

Kolkata, WB

2020 - 2023

WORK EXPERIENCE

VEHERE INTERACTIVE

Threat Research Intern

Remote

Oct 2024-Present

- NDR monitoring and malware analysis, identifying emerging threats and vulnerabilities.
- Created a comprehensive library of 100+ malware PCAPs, enabling the development of a rapid response framework.
- Authored threat research blogs and led competitive analysis studies on industry-leading cybersecurity companies.
- Developed testing scripts using automation tools that reduced manual workload by automating routine checks.

JPMORGAN CHASE & CO. VIRTUAL INTERNSHIP:

Cyber Security Intern

Remote

Jul 2022

- Thoroughly analyzed large fraud datasets, significantly improving detection accuracy by about 20%.
- Introduced a robust system to greatly enhance access control, reducing unauthorized access by 30%.

GLOBAL SOCIAL INDIA

Social Service Committee Member

Kolkata, WB

2020-Present

- Successfully implemented a new website, resulting in a notable 40% increase in online engagement.
- Produced a series of impactful videos viewed by 50,000+ people, significantly raising awareness of key issues.

PROJECTS

GREENROOTS AI MODEL

Climate and Sustainability Hackathon with Cloudera

Mar 2024

- Developed an 85% accurate predictive model to forecast mangrove loss over the next decade.
- Achieved a top 5 ranking out of 2300+ participants for creating environmentally implementable models.

WINDOWS HACKING USING METASPLOIT

Graduation Major Project Report

2022-2023

- Conducted detailed penetration tests using Metasploit, effectively reducing malicious file downloads by 35%..
- Enhanced security by SmartScreen and social engineering evaluations, boosting infrastructure security by 40%.

ACTIVITIES

SCIENCE ENGINEERING & TECHNOLOGY CONFERENCE

Graphic Design

Vellore, TN

Nov 2023

- Crafted visually compelling posters, banners, leaflets, increasing engagement by 25% across marketing channels.
- Ensured consistent and cohesive branding across all promotional materials to reinforce conference identity.

ETHICAL HACKING

TechFest, Indian Institute of Technology (IIT), Bombay

Mumbai, MH

Dec 2022

GOOGLE CLOUD COMPUTING

TechFest, Indian Institute of Technology (IIT), Bombay

Mumbai, MH

Dec 2022

ADDITIONAL

Technical Skills: Wireshark, TCPReplay, Nuclei, ColaSoft, Scapy, C, C++, Python, HTML, CSS, JS, SQL, MongoDB.

OS: Windows, Linux, MacOS **Frameworks:** React, Node, AngularJS **Languages:** English, Hindi, Bengali, French(A1)

Awards: Cloudera & AMD Hackathon: Top 5 environmentally implementable models out of 2300+ participants.