

SHASWATA SAHA

Engineering Student

SUMMARY

I am currently pursuing a Bachelor of Technology in Computer Science at the University of Calcutta, where I have honed my skills in various aspects of technology. My expertise lies in web development and Android app development, but my true passion lies in the field of cybersecurity. This area of study has captured my interest, and I am committed to becoming a cybersecurity professional.

In pursuit of this goal, I am preparing to take renowned examinations such as CompTIA Security+ to enhance my knowledge and credentials in the cybersecurity domain. My dedication to self-improvement and my ability to remain motivated and consistent, regardless of my mood, drives my pursuit of excellence in this field.

I am a diligent and hardworking individual who understands the importance of perseverance and continuous learning in the rapidly evolving world of technology. I am excited to apply my skills and knowledge in practical scenarios to contribute to the security and integrity of digital systems. As I progress in my academic journey and professional endeavors, I am eager to explore new opportunities and challenges in the cybersecurity landscape while maintaining a strong commitment to excellence and ethical conduct.

EDUCATION

University of Calcutta

Bachelor's Degree in Computer Science and Engineering
2022 - 2026

TryHackMe & Udemy

Cybersecurity, Networking , Linux & Cryptography
2022 - Present

Youtube

Graphics Design , UX & UI (Front-end)
2022 - 2023

Coursera

Deep Learning & AI
2022 - 2023

Google Cloud Platform

Cloud Computing & VertexAI
2023 - 2024

GeeksforGeeks

Website Development & Architecture
2023 - 2024

PROFESSIONAL EXPERIENCE

Lead Developer and Graphics

RentNest | 2023- Present

- Manage the front-end and back-end developers while developing the project.
- Coordinate and schedule meetings and conferences with internal and external engineers and security professionals.
- Prepare and distribute meeting agendas, minutes, and other relevant materials
- Handle confidential information and documents with discretion and maintain their proper organization

CEO and Founder

A Coder Named Subhro (ACNS) | 2016 - Present

- Defining and communicating a clear vision and mission for the company
- Hiring, training, and managing a skilled and motivated team.
- Fostering a positive and collaborative work culture.
- Setting long-term strategic goals and objectives.
- Creating and executing sales and marketing strategies to acquire customers and drive revenue.
- Building brand awareness and customer relationships.
- Identifying and mitigating risks associated with the business.
- Making informed decisions that minimize potential pitfalls.

SKILLS

Cybersecurity

- Understanding of network protocols, firewalls, intrusion detection/prevention systems, and VPNs.
- Proficiency in various operating systems (e.g., Windows, Linux, macOS) and their security features.
- Knowledge of languages like Python, Bash, or PowerShell for automating tasks and analyzing security data.
- Skills in identifying and exploiting vulnerabilities, conducting security assessments, and ethical hacking.

Web Development

- Strong knowledge of HTML for structuring web content and CSS for styling web pages.
- Proficiency in JavaScript for creating interactive and dynamic web applications.
- Familiarity with popular front-end frameworks like React, Angular, or Next.js
- Proficiency in using version control systems for collaborative development and code management.

Data Structures & Algorithms

- Highly proficient in Data Structures and Algorithms, with a deep understanding of various data structures and problem-solving techniques
- Continuously practice and stay updated with the latest DSA trends and algorithms

Graphics and UI

- Designed and implemented 2D and 3D graphics for marketing materials, websites, and multimedia presentations.
- Utilized 2D and 3D design expertise to create visual assets for the companies I've worked for.

Blockchain, Web3 and Cryptocurrency

- Designed, developed, and deployed smart contracts on blockchain platforms such as Ethereum and Binance Smart Chain (BSC).
- Integrated Web3 technologies into web applications, allowing users to interact with blockchain networks seamlessly

Cybersecurity Lead Engineer & Mentor

GDSC University of Calcutta | 2023 - Present

- Provide guidance, mentorship, and advice to club members, particularly those who are new to cybersecurity. Help them navigate the complex field and offer career advice.
- Assist club members in working on cybersecurity projects, such as Capture The Flag (CTF) competitions, ethical hacking exercises, or research projects. Offer technical support and guidance.
- Collaborate with club members on cybersecurity projects, contributing your engineering skills to solve real-world security challenges.
- Promote a culture of continuous learning and experimentation within the club, encouraging members to stay curious and explore new areas of cybersecurity.

Development and Security Internships

Oasis Infobyte, BharatIntern, CodeClause, Ascent Academy, Technohacks & LetsGrowMore | 2022 - Present

As a security and development intern, my role encompasses conducting security assessments and vulnerability analyses, integrating secure coding practices into the development lifecycle, and collaborating with cross-functional teams. I identify potential weaknesses, recommend security measures, and assist in automating security testing processes. Additionally, I create and maintain security documentation, deliver training, and act as a liaison between security and development teams, fostering a culture of security awareness and collaboration. My contributions aim to enhance the organization's security posture by bridging the gap between security requirements and development goals, ensuring that security is an integral part of the software development process.

PROJECTS

RentNest Website Development

RentNest | 2023 - Present

- Played a pivotal role in developing RentNest, a groundbreaking accommodation discovery platform.
- Transformed traditional searches into an intuitive interface.
- Utilized advanced algorithms and robust filters to ensure tailored results.
- Fostered transparency and trust through direct client-host communication.
- Simplified finding temporary homes for relocations, studies, or travel.
- Committed to innovation, shaping the future of accommodation discovery.
- Frequent updates guarantee an ever-improving user experience.
- Explore our progress at [RentNest Demo](#).

CERTIFICATIONS

- [Google Cloud Computing Fundamentals](#)
- [Google Cloud Computing Foundations: Infrastructure in Google Cloud](#)
- [Google Cloud: Arcade Level 3: GenAI](#)
- [Responsible AI: Applying AI Principles with Google Cloud](#)
- [Python AI Fundamentals](#)
- [Attention Mechanism](#)
- [Create Image Captioning Models](#)
- [Data Analytics A-Z with Python](#)
- [Encoder-Decoder Architecture](#)
- [Flutter 101: A Beginner's Guide to Cross-Platform App Development](#)
- [Full Stack Bootcamp](#)
- [Generative AI Fundamentals](#)
- [Introduction to Large Language Models](#)
- [Introduction to Responsible AI](#)
- [Transformer Models and BERT Model](#)
- [Essential Non-Technical Skills of an Effective Data Scientist](#)
- [Graphics Designing](#)
- [Certificate of Participation in Algomaniac 7.0 of Convolution 8.0](#)
- [Ethical Hacking](#)
- [Using Robots and RPA in the Workplace](#)
- [Security Programming: Python Scripting Essentials](#)
- [Basics of HTML/CSS for Beginners' Online Bootcamp](#)
- [CODEHACK2023](#)

SOCIAL MEDIA



<https://www.linkedin.com/in/shaswata-saha-74b209251>



<https://www.youtube.com/channel/UC7M2V6WGxompzcrD2vXfybw>



<https://acodernamedsubhro.web.app/>



<https://github.com/subhro1530>



<https://www.instagram.com/subhro1530/>



<https://www.facebook.com/subhro.saha.969>



<https://tryhackme.com/p/subhro.kali.linu>



<https://leetcode.com/user3470i/>

ChatBot3 - A ChatGPT API

ACNS | 2023 - 2023

- ChatBot3, powered by GPT-3.5, offers AI-driven interactions for engaging conversations.
- From casual chat to deep discussions, ChatBot3 is a versatile companion for various conversations.
- Emphasizing kindness, respect, and collaboration, the space fosters meaningful interactions and AI for good.
- See [ChatBot3](#)

Talkio - A Video Calling Website

ACNS | 2023 - 2023

- Deployed at <https://talkio-rho.vercel.app/>
- Developed a video calling application integrating APIs for real-time communication.
- Implemented server-side management for user authentication, session control, and signaling.
- Ensured data encryption for end-to-end security of call data.
- Designed scalability features and employed load balancers for enhanced performance.
- Crafted a user-friendly interface to optimize the user experience.

TryHackMe CTF Walkthroughs

ACNS | 2023 - Present

- Authored multiple TryHackMe walkthroughs, sharing insights on various cybersecurity challenges.
- Successfully completed nearly 100 rooms, achieving a global rank of 15K in TryHackMe.
- Continuously honing skills by participating in Capture The Flag (CTF) competitions and solving complex cybersecurity challenges.
- GitHub link: <https://github.com/subhro1530/TryHackMe.git>

YouTube and Instagram Clones

ACNS | 2022 - 2023

- Demonstrated expertise in cloning the front-end interfaces of websites like YouTube and Instagram.
- Showcased strong web development and design skills through these projects.
- Proven ability to recreate complex user interfaces accurately.

Geek A Thon - Geek For Geeks

ACNS | 2022 - 2023

- Github link : <https://github.com/subhro1530/Geek-A-Thon.git>
- Participated in a team for data analysis at Geek-A-Thon, a prestigious mega event hosted by GeeksforGeeks.
- Collaborated with fellow team members to analyze complex datasets, applying statistical and data visualization techniques.
- Successfully contributed to data-driven solutions, demonstrating proficiency in data analysis within a competitive and challenging environment.