HARSH SANDILYA

CYBER SECURITY RESARCHER

PATNA, INDIA | harshsandilya09@gmail.com | harsh.nexxigital.com | harshsandilya.bio.link | +917903314729 | harshtalks

Results-driven technology professional with a specialization in cybersecurity research, threat intelligence, and security auditing & consulting. Expert in WordPress development, UI/UX design, digital marketing optimization, and advanced SEO methodologies. Skilled in orchestrating complex projects, leading cross-functional teams, and integrating cutting-edge technologies to drive innovation and growth. Successfully trained over 1000+ individuals, fostering technical proficiency and industry readiness. Committed to delivering high-impact solutions that align with evolving tech landscapes and business objectives.

AREA OF EXPERTISE

TECHNICAL SKILS:

- Web development
- Web & App Design
- WordPress Development
- Graphics Design
- Social Media Management
- Social Media Design
- Search Engine Optimization
- Digital Marketing Expert
- Business Development

CYBER SECURITY EXPERTISE:

- SQL Injection
- XSS Scripting
- Penetration Tester
- CTF Player
- Security Researcher
- Threat Analyst
- OSINT
- Security Auditing
- BurpSuite
- Nessus Scanner
- Bug Bounty Hunter
- VAPT
- NMAP
- Metasploit
- OWASP ZAP

OS USED:

- Windows
- Parrot
- Kali Linux
- Ubuntu
- Garuda Linux

PROFESSIONAL EXPERIENCE

CO-FOUNDER & CTO | NEXXIGITAL   **July 2024 - Present**

Core Management & Leadership:

- **Lead cross-functional teams**, ensuring seamless collaboration and alignment with company objectives.
- Manage **product development** from concept to delivery, guiding teams through new technologies and process improvements.

Product Development:

- Successfully developed and delivered **20+ high-quality websites**.
- Focus on innovation and creating future-ready products to address emerging industry needs.
- **EagleEyeAI**, one of our key products, is **supported by Microsoft**, showcasing the company's credibility and technological expertise.

Cybersecurity & Technical Expertise:

- Provide strategic oversight in cybersecurity, implementing best practices for secure product design, security audits, and threat mitigation.
- Conduct vulnerability assessments and guide the team in adopting secure development frameworks.

⊙ CO-FOUNDER & CTO | NEXXIGITAL   July 2024 - Present

Digital Marketing & Client Management:
- **Lead digital marketing** efforts, including **SEO optimization**, targeted **ad campaigns**, and **backlink creation** to boost **brand visibility** and **drive growth**.
- **Manage client relationships**, delivering tailored solutions and ensuring high satisfaction throughout the project lifecycle.

Graphics Design & Creative Direction:
- Design impactful **social media posts**, **logos**, and branding materials to **enhance brand identity.**
- Oversee and **manage the graphics design team**, ensuring high-quality outputs that align with client and company goals.
- Utilize advanced tools and techniques to deliver visually compelling designs across multiple platforms.

⊙ Head of Operations & End-to-End Digital Solutions & Marketing   Jan 2023 - July 2024
PUREZZA TECHNOLOGIES

Project Managemer:
- Successfully managed **100+ projects across development**, **digital marketing**, and client management domains
- Oversaw planning, execution, and delivery, ensuring alignment with client objectives and company standards
- Delivered all ongoing projects within deadlines before leaving the organization

Team Managemer:
- Managed cross-functional teams across development, design, and marketing domains, fostering collaboration and innovation
- Provided mentorship and guided team members on integrating new tools and technologies

Web Developer:
- Developed and delivered **70+ WordPress websites,** ensuring high performance, responsiveness, and security
- Created **10+ e-commerce websites** using **Shopify,** integrating high-end features to enhance user experiences
- Conducted security audits and resolved critical bugs to maintain robust and secure platforms

Graphics Design:
- Designed **1500+** creative assets, including social media posts, logos (**100+)**, and **10+** UI/UX prototypes using Figma, Adobe Photoshop, and Canva
- Managed and mentored the graphics design team to deliver innovative branding solutions

Digital Marketing:
- Led social media campaigns across LinkedIn, Instagram, and Facebook, enhancing online presence and engagement
- Conducted SEO optimization and created **150+** backlinks to boost search rankings
- Successfully generated **100+** genuine leads through targeted email marketing, cold calling, and automated tools which were converterd into client.

Cybersecurity:
- Acted as a Senior Threat Analyst, performing vulnerability assessments and penetration testing for websites and applications
- Secured client and company websites by implementing advanced security measures

Head of Operations & End-to-End Digital Solutions & Marketing Jan 2023 - July 2024
PUREZZA TECHNOLOGIES

Human Resources:
- Played a pivotal role in hiring and onboarding new talent across domains, contributing to organizational growth and efficiency

Workshops and Training
- Conducted training sessions in WordPress development, graphic design, and cybersecurity for teams and external participants
- Trained 800+ students across several domains, contributing to skill development and knowledge-sharing within the industry

FREELANCER | HACKERONE Jan 2024 - Present

Cybersecurity Expertise:
- Engaged in **Capture The Flag (CTF)** competitions, capturing flags for companies to demonstrate and refine hacking and vulnerability identification skills.
- Focused on **bug hunting**, **identifying vulnerabilities**, and reporting them to enhance the security posture of clients.

GRAPHICS DESIGN SPECIALIST | CLINICAL AI ASSISTANCE Jan 2024 - Feb 2024

- Designed compelling graphics to enhance the social media presence of the brand, increasing engagement and visibility.
- Provided innovative and creative design solutions for website development, improving the visual appeal and user experience.
- Applied digital marketing expertise to drive business growth through visually impactful content.
- Recognized with the "**Best Intern**" award for exceptional performance and contributions during the internship.

VISUAL DESIGNER | TIME LINE INVESTMENT Aug 2023 - Nov 2023

- Created visually compelling graphics to effectively represent clients, ensuring alignment with brand identity and goals.
- Designed websites using Figma, focusing on modern aesthetics and a user-centric experience.
- Developed engaging and on-brand graphics for client social media platforms, significantly enhancing their online presence and engagement.

HEAD OF DEPARTMENT | NYAYSHAYA FOUNDATION Aug 2023 - Sep 2023

Graphics Design & Team Management:
- Led the Graphics Team, overseeing multiple design projects, ensuring all deliverables met high-quality standards and client expectations.
- Evaluated and refined design concepts, suggesting strategic improvements to enhance visual appeal and alignment with brand guidelines.
- Designed creative and innovative graphics for social media, boosting engagement and increasing brand visibility.
- Collaborated with the hiring team to identify and recruit top-tier talent for the graphics department, contributing to the team's overall strength and efficiency.

WEBSITE DEVELOPER | LUSH ASSOCIATION   Mar 2023 - Aug 2023

Website Developer:
- Developed and launched the official website, enhancing the organization's online presence and functionality.
- Designed and built customized websites for clients, ensuring responsive design and seamless navigation.
- Focused on user-centric solutions to optimize performance, usability, and accessibility across devices.

Graphics Design:
- Applied graphic design skills to enhance website visuals, ensuring a cohesive and visually appealing experience.
- Designed and developed social media content to boost engagement and enhance brand presence.
- Collaborated with teams to integrate graphics into marketing campaigns, ensuring alignment with brand identity.

DIGITAL MARKETING EXPERTISE | DE CASTRO GROUP   Mar 2023 - Aug 2023

Digital Marketing:
- Applied digital marketing strategies to drive business growth and enhance online visibility.
- Supported global business expansion through strategic digital design and marketing solutions.
- Developed the official website, focusing on creating impactful graphics and a user-friendly experience.
- Designed visually engaging graphics for social media platforms, boosting brand recognition and audience engagement.

SOCIAL ENTREPRENEURSHIP | HUMARI PAHCHAN   Mar 2023 - Aug 2023

- Led impactful social media campaigns that increased engagement and brand awareness for various causes.
- Crafted compelling content to support and raise awareness of key initiatives and social causes.
- Managed projects efficiently, providing mentorship, reporting, and ensuring streamlined team operations.
- Conducted research and offered strategic recommendations to enhance operational effectiveness and impact.

PROJECT

Password Generator with Strength Checker and Encrypted Storage:
- Tools Used: **Python**, **cryptography.fernet**
- Developed a Python-based password generator that creates secure, customizable passwords and checks their strength based on complexity and length.
- **Integrated encrypted storage using cryptography.fernet** to securely store generated passwords, ensuring robust security.
- **Libraries Utilized: random**, **string** , **cryptography.fernet**.
- **GitHub Repository:** Please click here to visit the repository, Link

Steganography Tool:

- Tools Used: **Python, PySimpleGUI, Pillow (PIL), NumPy, Pydub, SciPy**
- Developed a tool to securely embed and extract hidden messages in images and audio files using Least Significant Bit (LSB) techniques.
- Supports embedding messages in PNG, JPG, and WAV files and allows users to save modified files.
- Integrated a user-friendly interface using PySimpleGUI and leveraged libraries for efficient image and audio processing.
- **GitHub Repository:** Please click here to visit the repository, Link

Malware Analysis Sandbox:

- Tools Used: **Python, watchdog, pywin32, scapy.**
- Developed a Python-based tool to simulate and **monitor malware behavior** in a controlled environment.
- Tracks file system modifications, registry changes, and network activity to provide insights into **potential malicious actions**, such as **file encryption and server communication.**
- Aims to **detect and analyze suspicious files** for early defensive action.
- **Libraries Utilized:** watchdog, pywin32, scapy.
- **GitHub Repository:**

Keylogger Tool:

- Tools Used: **Python, pynput, time, os**
- Developed a keylogger tool to **ethically capture** and **store keystrokes in a local file**, with a **self-destruct mechanism** that deletes the log file after 24 hours.
- Features:
  - Keystroke Logging: Logs keypresses in a text file for analysis.
  - Self-Destruct Mechanism: Automatically deletes logs after a set period (24 hours).
  - Stealth Mode: Operates quietly in the background without interrupting the user experience or being detected by the operating system.
- Designed to showcase keylogging principles and secure log management in an educational context.
- **GitHub Repository:**

Website Development

- Tools Used: **WordPress, Shopify**
- Developed and delivered **over 100 non-coded websites** using WordPress, ensuring responsive design and user-friendly interfaces.
- Specialized in creating **e-commerce websites using Shopify**, enhancing user experience and driving business growth through seamless design and functionality.
- **LinkTree Link**

Graphics Design:

- Tools Used: **Canva**, **Adobe Photoshop, Adobe Illustrator, Adobe Premiere Pro.**
- Designed visually appealing graphics for various platforms, including **social media** and **websites**, to enhance **brand presence** and **engagement.**
- Created custom designs for marketing campaigns, product branding, and digital media projects.
- **LinkTree Link**

EDUCATION

❯ B.TECH in Computer Science Engineering   **Aug 2022 - 2026**
AMITY UNIVERSITY PATNA

- Developed the **official website** for **AMIPHORIA 2024**, enhancing its digital presence and user experience.
- Member of **Amity Incubation & Innovation Center**, contributing to innovation and startup development.
- Awarded **First Prize** for **Eagle Eye AI** at Pitch Deck 2024, recognizing its potential in the tech industry.
- Organized a **2-month Bootcamp** covering Cyber Security, Graphics Designing, AI/ML, and Blockchain.
- Served as a **speaker at the Bootcamp**, sharing expertise on various technical topics.
- Awarded **Best Tech Member** at AMIPHORIA 2024.
- Secured **2nd Prize** at the Engineer Day Event.
- Ranked in the **Top 3** at AMISPRADHA 2.0.
- Tech Member at AMIPHORIA 2023.
- Participated in KAVACH Hackathon 2023.
- Took part in Smart India Hackathon (SIH) 2022, 2023 & 2024.

❯ Intermediate   **April - 2021**
Dav public school, Bhagalpur.

AWARDS & HONORS

PUREZZA TECHNOLOGIES:

- Awarded a Letter of Recommendation for outstanding performance.
- Received a Certificate of Appreciation for exceptional contributions.
- Achieved Best Intern of the Month (x3).
- Recognized as Best Emerging Intern of the Month (x2).
- Honored with a Cash Prize for notable achievements.
- Featured on the Wall of Fame for excellence and recognition.

CLINICAL AI ASSISTANCE:

- Awarded Best Intern for exceptional performance and contributions.

AMITY UNIVERSITY PATNA:

- Awarded 2nd Prize at the Engineering Day Innovative Idea Conclave.
- Recognized as Best Tech Member at AMIPHORIA 2024.
- Awarded by 1st prize in Pitch Battle at Amity University Patna.

RECOMMENDATION
LINKEDIN

BHUMI SANGDIYA: **JAN 3, 2024**

I wholeheartedly endorse Harsh Sandilya for his exceptional expertise as a graphics designer. Harsh's creative prowess is limitless, and his proficiency in transforming ideas into visually captivating designs is truly commendable. Beyond his talent, Harsh is a delightful collaborator, infusing passion and innovation into every project. His impactful contributions have significantly enhanced our brand visibility, establishing him as an indispensable asset to any team or endeavor.

LINKEDIN

AFNAN BUKHARI   **DEC 25. 2023**

Harsh is a great human being and also a motivated person always ready to help team members.
it was a great time to work with you harsh !.

SMEET GHORI   **DEC 24. 2023**

I highly recommend Harsh Sandilya for his outstanding skills as a graphics designer and brand awareness specialist. Harsh's creativity knows no bounds, and his ability to translate concepts into visually stunning designs is truly impressive. He possesses a keen eye for detail, consistently delivering work of the highest quality. Harsh is not only a talented professional but also a pleasure to collaborate with, bringing passion and innovation to every project. His contributions have greatly elevated our brand presence, making him an invaluable asset to any team or project.

5-Star Review on LinkedIn Service Page
(Rating: 5 Stars)

Harsh consistently delivers high-quality work with creativity and precision. His professionalism and expertise in various domains, including graphics design, branding, and digital marketing, make him an outstanding asset to any team. I highly recommend his services!

ADDITIONAL INFORMATION

Languages: English, Hindi.
Trained 1000+ Students in Cybersecurity, Graphics Designing, Web Development and Digital Marketing.
Certifications:

- Offensive Hacking Unfolded - The Beginner's Edition | **Issued by: ComproAvi School**
- Offensive Hacking Unfolded Completion Certificate | **Issued by: ComproAvi School**
- First Prize at Pitch Battle for EagleEyeAI | **Issued by: Amity University Patna**
- Graphic Design Essentials | **Issued by: Canva**
- Microsoft Copilot for Security | **Issued by: LinkedIn**
- Google Ads - Measurement Certification | **Issued by: Google**
- **(x2)** Ethical Hacking and Cyber Security | **Issued by: Celesta IIT Patna**
- Postman API Days | **Issued by: National Institute of Technology, Patna**
- C Language from LearnTube | **Issued by: LearnTube.ai**