



# TANYA BHARDWAJ

## PROFILE

Enthusiastic and detail-oriented Computer Science graduate with a strong foundation in cybersecurity and network programming. Experienced in developing various security-focused tools, including a Proxy Scraper & Hash Cracker, Web Brute force, TCP Port Scanner, and Reverse Shell. Skilled in Python programming, networking protocols, and web scraping techniques, with a passion for learning and applying new technologies. Eager to leverage technical expertise and problem-solving abilities in a challenging role where I can continue to grow my skills and contribute to impactful projects.

## CONTACT

EMAIL:  
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<https://tanya-bhardwaj.netlify.app/>

## EDUCATION

<b>Bachelor of Computer Application</b> Swami Vivekananda Subharti University, Meerut	<b>2021-2024</b> CGPA: 7
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## PERSONAL PROJECTS

### Proxy Scraper & Hash Cracker

Developed a tool to scrape proxies from the web and implemented a hash-cracking mechanism using various algorithms.

**Skills:** Web scraping, networking, cryptography, Python, data parsing and storage.

### Web Brute force & Client-Server Model

Built a built-forcing tool to test the strength of login credentials, using a custom client-server architecture for distributed attempts.

**Skills:** Client-server architecture, multithreading, Python/ Socket Programming, Security Principles.

### TCP Port Scanner

Created a TCP port scanner to detect open ports on target systems, allowing for network vulnerability assessment.

**Skills:** Networking, TCP/IP protocols, Socket Programming, Python.

**Additional:** Ethical Hacking & Cyber Security Mastery Course (Pursing)

**Working on Projects:** Dynamic Website – Box Manufacturing

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C/C++, Python, JavaScript, Html + CSS

**Libraries:** Python Libraries, React.Js

**Web Dev Tools:** NodeJs, VScode, Git, Github

**Frameworks:** React.Js

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management Systems, Software Engineering.

**Areas of Interest:** Web Development, Security Researcher

**Soft Skills:** Problem Solving, Self-learning, Adaptability