Abhay Srivastava

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Linkedin | **GitHub** | **HackerRank** | **Portfolio**

Education

Shri Ramswaroop Memorial University Lucknow, Uttar Pradesh
Computer Science and Engineering (Cybersecurity Specialization) Bachelor of Technology (B.Tech) August 2022 - May 2026

Skills

Programming Languages:	C, Java, Python, JavaScript
Libraries/Frameworks:	React.js, Tailwind CSS, Bootstrap, Selenium, PyTest, Flask
Tools / Platforms:	Git, GitHub, VS Code, Wireshark, Nmap, Burp Suite, Splunk, IBM Cloud, Docker, Supabase, Postman, JIRA, Jenkins
Databases:	MySQL, MongoDB, SQL

Projects / Open-Source

secure-file-sharing-app | **Link** *Python, Flask, REST APIs, SQLite*

- Developed a secure **File Sharing Web Application** using **Python (Flask)** for backend development.
- Implemented **user authentication**, **file upload/download functionality**, and **REST APIs** for secure link sharing and file management.
- Applied **encryption techniques** to protect sensitive data during file transfer and storage.
- Integrated **access control mechanisms** to ensure authorized sharing and maintain data privacy.
- Designed an intuitive and minimal **frontend interface** for efficient user interaction.
- Conducted **testing and debugging** to improve reliability, performance, and security compliance.

e-commerce | **Link** *HTML, JavaScript, CSS*

- Developed a fully responsive **E-commerce web application** using **HTML, CSS, and JavaScript** to deliver a seamless online shopping experience.
- Implemented core features such as **product listing, cart, checkout, wishlist, and order tracking** for enhanced user engagement.
- Focused on **UX and mobile-first design**, optimizing load times and ensuring cross-browser compatibility.
- Integrated **Supabase** for secure backend data handling and authentication.
- Deployed the project using **Netlify**, achieving fast performance and smooth deployment workflows.

encryption-tool | **Link** *Python, Command-Line Interface (CLI), Cryptography Libraries*

- Developed a **command-line Python tool** for secure text encryption and decryption using classical cipher algorithms.
- Implemented the **Caesar Cipher logic** to demonstrate core principles of **cryptography** and data protection.
- Designed an intuitive **CLI-based interface** for easy user interaction and fast encryption/decryption operations.
- Integrated **error handling** and **input validation** to prevent incorrect or insecure data processing.
- Conducted testing to verify algorithm accuracy, performance, and reliability.

Certifications

- Identity and Access Management - **IBM**
- IBM Cloud Essentials - **IBM**
- Cyber Security - **IBM**