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Top Skills

Shell Scripting
Linux Server
GNU/Linux

Atin Sharma

Full Stack Developer | MERN Stack Enthusiast | Cybersecurity & Privacy Advocate | Linux & Open Source Contributor | Tech Explorer
Agra, Uttar Pradesh, India

Summary

Full-stack developer and cybersecurity enthusiast with a passion for creating impactful solutions and enhancing privacy. Skilled in building web applications using the MERN stack, configuring secure mobile environments for penetration testing, and deploying containerized apps.

Recent projects include:

Book Lending & Sharing Platform: A web app for students to lend and borrow books, with user-friendly features like real-time notifications and chat.

Kali NetHunter Setup on Android: Configured a portable penetration testing environment on a rooted Android device with security tools.

Dockerized Security Tool Installation: Automated deployment of security tools via Docker for streamlined network security collaboration.

Scripture Verse Fetcher: Created an app to fetch and display scripture verses from various authors, enhancing user engagement with dynamic content.

PostgreSQL & Metasploit Integration: Resolved database connectivity for Metasploit, improving security auditing workflows.

SEToolkit & Metasploit Integration: Streamlined social engineering attack simulations by integrating SEToolkit with Metasploit.

Multi-VPN Setup on Mobile: Set up a multi-layered VPN chain (ProtonVPN, Tor, Opera) to enhance privacy while browsing.

Adept in using Docker, PostgreSQL, JavaScript, React, Node.js, Kali Linux, and network security tools. Continuously improving and adapting to new technologies for building reliable, scalable solutions.

Experience

Freelance
Full Stack Developer

October 2024 - Present (1 month)

Book Lending & Sharing Platform:

Developed a full-stack web application for college students to facilitate book lending and sharing. Initially targeting the VIT Vellore community, this platform enables students to list, borrow, and lend books, helping reduce costs and increase access to educational materials.

Key Contributions:

Implemented RESTful APIs for managing book listings, user authentication, and borrowing processes.

Designed a responsive user interface using React to enhance user experience and accessibility.

Integrated real-time features like notifications and chat for direct communication between users.

Freelance

Frontend Developer

October 2024 - Present (1 month)

Web App Enhancement with External HTML Integration:

Enhanced an existing web application by fetching and embedding external HTML elements into a book-based platform. Each chapter of the book was organized into separate web pages, and external content was dynamically loaded to enhance the reading experience.

Key Contributions:

Fetches specific article tags from other websites to integrate related content, improving user engagement.

Optimized performance and ensured smooth integration by addressing cross-origin and security concerns.

Freelance

Security Consultant

September 2024 - Present (2 months)

Multi-VPN Setup on Mobile for Enhanced Privacy:

Configured a multi-layered VPN setup on a mobile device using ProtonVPN, Tor, and Opera VPN to enhance privacy and security while browsing the web.

Key Contributions:

Successfully set up a multi-VPN chain to route traffic through multiple secure layers.

Ensured that the device remained secure while browsing, enhancing privacy protections by obscuring IP addresses and encrypting traffic.

Freelance

UI/UX Developer

September 2024 - Present (2 months)

Custom Web Background & UI Enhancement:

Added custom background images and improved UI aesthetics for an existing web application by using specific image URLs to create a unified and visually appealing experience.

Key Contributions:

Designed and applied cohesive visual elements across the platform, enhancing user engagement through a clean and consistent interface.

Worked on responsive design elements to ensure a seamless experience across different screen sizes and devices.

Vellore Institute of Technology

Student

January 2021 - Present (3 years 10 months)

Vellore, Tamil Nadu, India

Freelance

Database Administrator

August 2024 - Present (3 months)

PostgreSQL & Metasploit Database Integration:

Resolved issues with PostgreSQL and Metasploit database connections, enabling proper data storage and functionality for a penetration testing environment.

Key Contributions:

Identified and fixed configuration issues causing database connection failures.

Enabled seamless execution of pentesting activities with full database support for logging, storing vulnerabilities, and attack simulations.

Freelance

Security Engineer

July 2024 - Present (4 months)

SEToolkit & Metasploit Framework Integration:

Integrated SEToolkit with Metasploit to streamline social engineering and phishing attack simulations. Ensured that the tools worked cohesively within a single framework.

Key Contributions:

Resolved path conflicts and dependencies, allowing for smooth execution of social engineering attacks and simulations.

Enhanced usability by scripting automated tasks that simplified repetitive processes.

Freelance

DevOps Engineer (Freelance Project)

August 2024 - Present (3 months)

Dockerized Security Tool Installation:

Installed and configured a Docker container environment for running security tools from Hexway.io, streamlining deployment for network security and collaboration among teams.

Key Contributions:

Developed scripts to automate the setup of Hexway.io software in a secure Docker container.

Troubleshoot dependency issues and optimized container performance for efficient usage.

Freelance

Cybersecurity Engineer (Freelance Project)

August 2024 - August 2024 (1 month)

Kali NetHunter Setup on Android:

Configured Kali NetHunter on a rooted Android device (Redmi Note 4), turning the device into a portable penetration testing and security auditing tool. The setup included various security tools for network assessment, vulnerability scanning, and ethical hacking.

Key Contributions:

Successfully integrated security tools from F-Droid and configured them for mobile usage.

Created a detailed setup guide for users looking to use their mobile device as a lightweight pentesting environment.

SKOLAR

Internship Trainee

August 2023 - October 2023 (3 months)

TEACHNOOK (TEACHSCAPE ONLINE LEARNING SERVICES PRIVATE LIMITED)

Internship Trainee

July 2023 - August 2023 (2 months)

Education

Vellore Institute of Technology

Bachelor of Engineering - BE, Computer Science · (September 2020 - June 2024)

Delhi Public School - India

Internshala Trainings

Core Java Certification Course, Core Java