Sadhana Shree P

📍Coimbatore, Tamil Nadu •  sadhanashreep90@gmail.com •  +91 99433 91911 •  [linkedin](https://www.linkedin.com/in/sadhana-shree-p-4a3132286)  •  [github](https://github.com/SadhanaShree09/)

# EXECUTIVE SUMMARY

Dedicated Computer Science Engineering student with dual expertise in full-stack development and web application penetration testing. Focused on creating robust, secure web solutions through continuous skill enhancement and technology exploration. Combines technical proficiency with a growth mindset to deliver innovative, efficient applications. Eager to apply my development and security knowledge to build safer digital experiences.

# SKILLS

* **Programming Languages**: C, C++, Python.
* **Web Development** : HTML, CSS, JavaScript, React.js, Node.js, Express.js, Bootstrap.
* **Databases** : MySQL, MongoDB.
* **Cybersecurity** : Web Penetration testing, Vulnerability Assessment, OWASP top 10 Vulnerability.
* **Other Tools and Tech** : Github, Postman, Docker, Burpsuite , Nmap , Metasploite, SQLMap, Dirbuster.
* **Soft Skills** : Self-Motivated, attention to detail, problem-solving, leadership, adaptability, communication and teamwork.
* **Areas of Interest** : Full-stack Development, Web Penetration Testing.

# EXPERIENCE

## Web Penetration Testing – Zyphron Technologies 4 weeks

*Internship* [🔗](https://drive.google.com/file/d/1d0HXioqeq2X3KgB7TVEc9gDEhd6ZhSfQ/view?usp=sharing) Coimbatore

* Gained hands-on experience with Web penetration testing and utilized a variety of ethical hacking tools.
* Conducted vulnerability assessments on websites and created detailed reports on findings.
* Found 15+ vulnerabilities across 5 websites and Improved system security.

# PROJECTS

## Anesthesia Controlling and Monitoring System [🔗](https://github.com/SadhanaShree09/Anesthesia_Management.git)

**Tech Stack: HTML, CSS, JavaScript, Python, MongoDB, IoT Sensor Integration**

* Developed a web-based application that calculates appropriate anesthesia levels based on user credentials and monitors heart rate in real time.
* The system enhances patient safety by providing accurate dosage recommendations and continuous health tracking.

## DDOS Protection System for Cloud: Architecture [🔗](https://github.com/SadhanaShree09/ddos-system-.git)

**Tech Stack: MERN Stack, Python, Machine Learning, Wireshark, MongoDB**

* Designed and implemented a real-time DDoS mitigation architecture integrating ML-based packet inspection and server load monitoring.
* Developed threshold-based filtering and CAPTCHA validation to detect, classify, and block malicious traffic with adaptive security layers.

## E-Commerce Website using MERN Stack [🔗](https://github.com/SadhanaShree09/pro_ecommerce.git)

**Tech Stack: MongoDB, Express.js, React.js, Node.js (MERN), Bootstrap**

* Built a scalable e-commerce web app with secure user authentication, product management, shopping cart, and order processing.
* Integrated JWT-based login system, dynamic product routing, and real-time cart updates for a seamless user experience.
* Delivered a mobile-responsive UI with persistent data handling via MongoDB and RESTful API endpoints.

# CERTIFICATIONS

## EC – Council

* [Ethical Hacking Essentials](https://codered.eccouncil.org/certificate/aca6e37a-1383-4f95-91f5-46e4f96676cd?logged=false)
* [Network Defense Essentials](https://codered.eccouncil.org/certificate/1b3d061a-b015-49d9-b966-b0772fcb6038?logged=true)
* [SQL Injection Attacks](https://codered.eccouncil.org/certificate/2d16442a-3fea-4c15-b593-788669801e3e?logged=true)

## University Of Cambridge

* [Business](https://codered.eccouncil.org/certificate/aca6e37a-1383-4f95-91f5-46e4f96676cd?logged=false) Communication – Lingua Skill

## NPTEL

* [Practical Cyber Security for Cyber Security Practitioners](https://www.linkedin.com/posts/sadhanashreep_certificate-activity-7283850917974568960-s6q8?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEasgb0BlZgIMbAk-ykpzyh-Wo0rNr_bFn0)
* [Cyber Security and Privacy](https://www.linkedin.com/posts/sadhanashreep_certificate-activity-7283851369168453632-Cx9K?utm_source=share&utm_medium=member_desktop&rcm=ACoAAEasgb0BlZgIMbAk-ykpzyh-Wo0rNr_bFn0)

## UDEMY

* [Complete Ethical Hacking Masterclass](https://www.udemy.com/certificate/UC-4f712297-a0e0-4227-8d2b-54753ff00f12/)
* [HTML CSS JAVASCRIPT Full Stack Programming Course](https://www.udemy.com/certificate/UC-6a9e60ed-43de-49ed-90e7-55fb1193b0df/)
* [ReactJs - The Complete ReactJs Course For Beginners](https://www.udemy.com/certificate/UC-64e86f19-1bbd-4f3d-aa8d-9ab200eaa2e6/)

# EDUCATION

**M tech Computer Science and Engineering (5 yrs integrated)**

**Sri Ramakrishna Engineering College • CGPA: 7.64**  **2022- 2027**

## HSC

## Vidya Vikasini Matric Hr Sec School 2021-2022

## SSLC

## Vidya Vikasini Matric Hr Sec School 2019-2020

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