

# Shreehari B Deshpande

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## SUMMARY

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A Computer Science student at PES University specializing in cybersecurity, penetration testing, and offensive security tool development. Experience includes an Offensive Cybersecurity Internship at Inlighn Tech, recognition in NASA's Hall of Fame for impactful bug bounty research, and serving as an SME at PESU I/O, teaching Essentials of Web Security. Independent projects such as an SSH Botnet, FTP Cracker, and Stealth Remote Access backdoor highlight expertise in vulnerability exploitation, supported by active involvement in CTFs, hackathons, and mentoring.

## EDUCATION

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### PES University

Bengaluru, India

Bachelor of Technology in Computer Science and Engineering

Expected graduation: June 2027

Awards: DAC Scholarships, Certificates for organizing CTFs, workshops and volunteering.

## SKILLS

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**Programming Languages:** Python, C | **Frameworks:** React, Vue.js, Typescript

**Cybersecurity:** Web hacking, Wi-Fi hacking, Malware development, Penetration testing.

**Proficient subjects:** Computer Networks, Operating Systems, Data Structures and Algorithms, Web Technologies, Database Management Systems.

## EXPERIENCE

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### PESU I/O

Bengaluru, India

*SME – Subject Matter Expert*

*October 2025 – Present*

- Delivering expert-level training on core web security fundamentals to over 50 participants, maintaining the role of SME after a rigorous technical selection process.

### Independent Security Researcher

Bengaluru, India

*Bug Bounty Researcher*

*June 2025 – Present*

- Recognized in NASA's Hall of Fame for contributing to NASA's cybersecurity through the responsible disclosure of a high-severity vulnerability.

### Inlighn Tech Pvt. Ltd.

Bengaluru, India

*Offensive Cybersecurity Intern*

*June 2025 – July 2025*

- Developed and contributed to multiple industry-grade projects with mentors, including an SSH session hijacker, a port scanner, and other projects completed during coursework.

## PROJECTS

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### Stealth Remote Access | Independent project

Cross-platform stealth remote shell for Windows/Linux/macOS enabling covert command execution, encrypted communications and persistence, plus compact, reliable file extraction via a minimal command interface.

### Python-Based Command and Control (C2) Framework | Independent project

A lightweight Python C2 framework with Flask and custom agents to replicate red-team operations and penetration testing workflows.

### Deep Recon | Independent project

A Python-based educational tool that mimics real-world infostealers by extracting Chrome saved passwords, clipboard data, and system information to demonstrate cybersecurity vulnerabilities, digital forensics, and ethical hacking concepts.

### SSH Botnet | Independent project

Designed and implemented an SSH-based botnet controller in Python to manage remote devices, execute distributed commands, and simulate SYN flood-based DDoS attack for educational cybersecurity research.

## EXTRACURRICULAR ACTIVITIES

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Clubs: IEEE-SB, Layer8 and ISFCR | University cricket team | Conducted CTFs – University and National Level | Mentor for cybersecurity at ZTM club | Music composing | Video editing | Elected as Head of the Science department in 12<sup>th</sup> | Conducted multiple university level hackathons

## PUBLICATIONS

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[1] Adaptive Stealth Attacks on IIoT Network: A Simulation-based Comparative Study of Reinforcement Learning Approaches using CyberBattleSim - ICISPD 2025