

Harshit Yadav

[✉️](mailto:yadavharshit736d696c65@gmail.com) yadavharshit736d696c65@gmail.com | [📞](tel:+918103633341) +91 8103633341 |
[🔗](https://www.linkedin.com/in/harshit-yadav-5683a6258) linkedin.com/in/harshit-yadav-5683a6258 | [💻](https://github.com/Harshit00yadav) github.com/Harshit00yadav

CAREER OBJECTIVE

Aspiring software developer skilled in Python and C/C++ aiming to deliver efficient, scalable solutions while advancing technical expertise in programming and problem-solving.

EDUCATION

Bachelor of Technology: Technocrats Institute of Technology (2022-2026)

CGPA: 7.03/10

Senior Secondary Education: Central Board of Secondary Education (2020-2021)

Percentage: 77.4%

Secondary Education: Central Board of Secondary Education (2018-2019)

Percentage: 83.6%

WORK EXPERIENCE

Freelancer Automation Developer Engineer

Sep 2023 - Dec 2023

- Built custom Python automation tools that reduced repetitive web tasks, saving clients 10+ hours per week
- Reduced manual data-entry time by 60% by implementing intelligent web-scraping bots.
- Developed automation-ready web scrapers compatible with static and dynamic websites.
- Automation testing of web applications

PROJECT WORK

C&C Botnet Server

Third-Eye

- Designed a secure HTTPS-based C&C server managing 10+ remote agents
- Implemented peer-to-peer UDP protocol for real-time screen sharing and remote shell
- Used test-driven development (TDD) for critical modules.
- Conducted controlled red-team simulations in an isolated lab.
- Language : Python, Bash, C

Cellular Automata Simulation Engine

CAPS-CellularAutomataPhysicsSimulation

- Engineered simulation engine that uses cellular automata to model physical systems.
- Applied OOP principles for modular design to ensure extensibility and maintainability
- Adopted Agile methodology to incrementally design and test.
- Optimized algorithm achieving 30% runtime frame-rate boost
- Language : C, Makefile.

SKILLS

Languages: C/C++, Python, Java, SQL

Frameworks/Libraries: Selenium, Playwright, Flask, Requests, Libcurl, SDL2, Java Swing

Developer Tools: Bash, Make, Git

Competitive Coding: codechef, leetcode, hackerrank - 300+ problems solved.

CTFs: tryhackme - 30+ rooms solved, picoCTF - 60+ challenges completed

CERTIFICATIONS

AZ-900: Microsoft Azure Fundamentals

7 April 2025

issued by Certiport.