

Harshit Yadav

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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
<ul style="list-style-type: none">– 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 scrappers compatible with static and dynamic websites.– Automation testing of web applications	

PROJECT WORK

C&C Botnet Server	Third-Eye
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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.	