

Rishabh Arora

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🔗 cyber-rishabh

Education

VIT BHOPAL UNIVERSITY

Bhopal, India

B.tech in Computer Science (specialization in Cybersecurity)

Sept 2023 – present

- Studied Network Security, Web Development, and AI fundamentals!!LINEBREAK!! - Built secure web apps using JtR, Hashcat, and MERN stack
- Maintained 8.22 CGPA with focus on cybersecurity and GenAI

Experience

Summer Intern

Bhopal, India

Microsoft Technical Club, VIT Bhopal

2025 – 2026

- Managed a student tech community with 30+ active members
- Conducted sessions on web development and cybersecurity tools
- Guided members on Git, GitHub, and open-source project building

Cybersecuirty Intern

Remote

TheRedUser

Feb 2025 – Mar 2025

- Performed basic security testing and validation on production APIs
- Reported vulnerabilities and assisted in fixing CORS and auth misconfigurations
- Used Burp Suite, Nmap, and custom Python scripts for internal testing tasks

Projects

SafeSurf Junior

May 2024 – present

Built a browser safety tool to block malicious sites and alert guardians in real-time. Secured 3rd place at MP Police Cybersecurity Hackathon 2025

- Developed a browser-based safety tool to detect and block malicious websites using Python and regex pattern matching
- Implemented real-time alerts for unsafe browsing behavior with email notifications via SMTP and Firebase
- Designed a GUI with Tkinter and integrated IP/location tracking using APIs
- Won 3rd place at the Madhya Pradesh Police Cybersecurity Hackathon 2025

The Plotify

2025

Delivered a paid real estate web app using MERN stack with property search, filters, and user auth.

- Developed a responsive real estate platform with React, TailwindCSS, Node.js, and MongoDB
- Implemented filters, property listings, and user login system for production use
- Delivered as a paid freelance project for a real-world client

Deployx

2025

Delivered a paid real estate web app using MERN stack with property search, filters, and user auth.

- Developed a tool that auto-deploys submitted website code using Docker and custom shell scripts
- Automatically builds Docker images and returns a live deployment link instantly

Interview Bot for Message and Voice

2025

Built an AI-powered bot that conducts interviews via WhatsApp and phone calls using LLMs (Groq-hosted LLaMA 3) and Twilio, with automatic question flow, silence detection, and response analysis.

- Designed a full-stack AI bot that conducts interviews via WhatsApp and phone calls
- Integrated Twilio for voice-based questions and Green API for WhatsApp messaging
- Implemented LLM (Groq-hosted LLaMA 3) to analyze responses and control question flow
- Added silence detection to auto-skip questions during voice calls
- Supports real-time response capture and scoring for interview automation

Achievements

1. Secured Top 10 position in IIT Madras Malware Analysis Hackathon by building an AI model for malware detection
2. Won 1st place in MP Police Cybersecurity Hackathon 2025 for developing SafeSurfJr.
3. Champion of Codeverse 2025 Hackathon with project Deployx (Automated Web Deployment Tool)
4. Selected among Top 20 teams at HackByte 3.0, IIIT Jabalpur's national-level hackathon

Skills

Cybersecurity: Network Security, Malware Analysis, Web Application Security, SIEM, John the Ripper, Hashcat, OSINT

Web Development: HTML, CSS, JavaScript, React.js, Node.js, Express.js, MongoDB, REST APIs, JWT Auth

DevOps & Deployment: Docker, Bash Scripting, Git, CI/CD, Vercel, Netlify

AI & ML: Prompt Engineering, Generative AI (LLMs, GPT), LangChain, Python, OpenAI API

Tools & Platforms: Linux (Kali, Ubuntu), GitHub, Postman, VS Code, Figma, Firebase, Green API, Twilio

Soft Skills: Team Leadership, Technical Writing, Problem Solving, Communication, Hackathon Strategy

Publications

THE MERN STACK ALCHEMIST

June 2025

Rishabh Arora, Harsh Srivastava, Devansh Rai