



# SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

## साइबर सुरक्षा विशेषज्ञ

Cyber security specialists protect the data, networks and systems of companies and government from hackers. With Digital India and rising cybercrime, it is one of the most in-demand careers.



### Scan for everything on this career

Salary, exams, colleges, the routes in and the steps after — all on the portal.

[career.gsssjethantri.in/#/career/eng-4609](https://career.gsssjethantri.in/#/career/eng-4609)

### राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

Govt. Sr. Sec. School, Jethantri · ब्लॉक समदड़ी · बालोतरा (Block Samdari · Balotra)

[www.gsssjethantri.in](https://www.gsssjethantri.in) · [career.gsssjethantri.in](https://career.gsssjethantri.in)



#### सुशील कुमार शर्मा

प्रधानाचार्य, रा.उ.मा.वि. जेठन्तरी · मास्टर ट्रेनर  
Principal, GSSS Jethantri · Master Trainer



#### श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर  
Principal, DIET Barmer



#### श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)  
Sr. Lecturer, DIET Barmer (Support)



#### भरत चौधरी

अभिकल्पना व विकास · व्याख्याता (इतिहास)  
Designed & developed · Lecturer (History)

### विशेष धन्यवाद · SPECIAL THANKS



#### सुरेन्द्र सिंह राठौड़

व्याख्याता (इतिहास) · रा.उ.मा.वि. कानाना



#### सुरेश कुमार सैन

व्याख्याता (भूगोल) · रा.उ.मा.वि. रामसीन मूंगड़ा



#### वनिता कुमारी

व्याख्याता (इतिहास) · रा.उ.मा.वि. रामसीन मूंगड़ा



#### कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) · रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित  
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। · An independent project based on the Government's official career-guidance content.

## 1 About this career

Cyber security specialists protect the data, networks and systems of companies and government from hackers. With Digital India and rising cybercrime, it is one of the most in-demand careers.

## 2 At a glance

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Minimum qualification | 12th PCM + B.Tech (CS/IT) plus cyber security certification |
| Work mode             | Office/remote; 24x7 shifts possible                         |
| Demand                | Very high - lakhs of unfilled roles                         |
| Top earning           | CISO: Rs 3-5 lakh+/month                                    |

## 3 What you need

### INTERESTS

- Deep interest in computers and networks
- Finding puzzles and system weaknesses
- Helping people solve problems

### ABILITIES

- Analytical and alert thinking
- Effective communication
- Calm decisions under pressure

### KEY SKILLS

- Networking and operating systems (Linux)
- Ethical hacking and penetration testing
- Security tools like firewalls, SIEM
- Programming/scripting (Python)
- Understanding of cryptography
- Cloud security
- Incident reporting and documentation

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## 4 How to get there

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- 1 Pass 10+2 with Physics, Chemistry, Maths.
- 2 Do B.Tech (CSE/IT or cyber security) via JEE/REAP.
- 3 Get certifications like CEH, CompTIA Security+.
- 4 Practise via bug bounty and CTF contests.
- 5 Start as SOC analyst/security intern and grow into a specialist.

### MAIN EXAMS

- JEE Main / JEE Advanced
- BITSAT
- REAP (Rajasthan)
- GATE (for M.Tech in cyber security)

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## 5 Where to study

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### GOVERNMENT INSTITUTES

- Rajasthan Technical University (RTU) — Kota, Rajasthan (<https://www.rtu.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- IIT Jodhpur — Jodhpur, Rajasthan (<https://iitj.ac.in>)
- Sardar Patel University of Police, Security and Criminal Justice — Jodhpur, Rajasthan

### PRIVATE INSTITUTES

- Manipal University Jaipur — Jaipur, Rajasthan (<https://jaipur.manipal.edu>)
- Amity University Jaipur — Jaipur, Rajasthan
- MIT Manipal — Manipal, Karnataka

### ONLINE

- NPTEL/SWAYAM (Cyber Security courses) — Online (<https://nptel.ac.in>)

### FEES

B.Tech course about Rs 90,000-12 lakh (full course); cyber security certifications Rs 20,000-1.5 lakh extra.

### SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)

- Vidya Lakshmi Education Loan Portal (<https://www.vidyalakshmi.co.in>)
- Buddy4Study (<https://www.buddy4study.com>)

## 6 What the work is like

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### WHERE YOU WORK

Banks-fintech, IT companies, government agencies (CERT-In, police cyber cells), healthcare and retail firms.

### WORK CULTURE

Usually 40-hour weeks; night/weekend work possible during attacks or system updates. Opportunities exist for persons with disabilities.

### WHO HIRES

- TCS / Infosys / Wipro
- Consulting firms (Deloitte, EY, PwC)
- Security firms (Quick Heal, TAC Security)
- Banks and fintech (SBI, Paytm)
- Government agencies (CERT-In, NIC, police)
- Global tech companies

### DEMAND (2026)

India faces a big shortage of cyber security professionals in 2026; with AI-driven attacks rising, every large company is expanding security teams.

## 7 Career growth

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- 1 SOC Analyst
- 2 Cyber Security Analyst
- 3 Penetration Tester / Security Consultant
- 4 Cyber Security Manager
- 5 Chief Information Security Officer (CISO)

## EARNINGS

|              |                     |
|--------------|---------------------|
| Starting     | ₹30,000-60,000      |
| Mid level    | ₹80,000-1,80,000    |
| Senior level | ₹2,00,000-4,00,000+ |

Monthly pay, 2026 levels; rises fast with certifications and experience, indicative.

## 8 The good parts · The challenges

### The good parts

- Very high demand and pay
- Work tied to the nation's digital defence
- Remote and global opportunities

### The challenges

- Round-the-clock pressure during attacks
- Technology and threats change constantly
- Even small slips have big consequences

## 9 Real-life journeys

### Trishneet Arora

Founder & CEO, TAC Security

Trishneet from Ludhiana failed Class 8, but his passion for computers led him to ethical hacking and he founded TAC Security at 19. His firm now secures major companies and governments, and he featured in Forbes 30 Under 30.

YourStory · <https://yourstory.com/2021/04/techie-tuesday-trishneet-arora-tac-security-school-dropout-cyber-geek>

### Vandana Verma

Cyber security leader; former OWASP global board chair

India's Vandana moved from IT into cyber security and rose to chair the board of the global OWASP Foundation. As founder of InfosecGirls, she brings more girls into the field.

The Daily Swig (PortSwigger) · <https://portswigger.net/daily-swig/infosec-pro-vandana-verma-on-improving-diversity-and-helping-to-grow-the-indian-security-community>

## 10 If this route does not work out

One exam or one attempt does not close the door. The same subjects also open these routes — entry is usually easier, and you can return to this field later.

- Civil Engineer
- Agricultural Engineer
- Aeronautical Engineer

## 11 Sources & further reading

1. Rajasthan Career Guidance: Cyber Security Specialist — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%b8%e0%a4%be%e0%a4%87%e0%a4%ac%e0%a4%b0-%e0%a4%b8%e0%a5%81%e0%a4%b0%e0%a4%95%e0%a5%8d%e0%a4%b7%e0%a4%be%e0%a4%b5%e0%a4%bf%e0%a4%b6%e0%a5%87%e0%a4%b7%e0%a4%9c%e0%a5%8d%e0%a4%9e-cyber-security-s/>
2. AICTE — <https://www.aicte-india.org>
3. NPTEL (free online courses) — <https://nptel.ac.in>
4. National Career Service (NCS) — <https://www.ncs.gov.in>



### And 770+ more careers — the whole portal

Interest and aptitude tests, government jobs, skill courses and a CV builder — free, no login, and it works offline.

[career.gsssjethantri.in](https://career.gsssjethantri.in)