



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

साइबर सुरक्षा विशेषज्ञ

A Cybersecurity Specialist protects computers, networks and data from attacks. Ethical hackers find weaknesses to make systems safer before criminals exploit them.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/cybersecurity

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

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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

A Cybersecurity Specialist protects computers, networks and data from attacks. Ethical hackers find weaknesses to make systems safer before criminals exploit them.

2 At a glance

Stream	Science (Maths)
Core degree	B.Tech CSE / BCA
Starting salary	₹3.5–6 LPA
Key cert	Security+ / CEH

3 What you need

INTERESTS

- Deep curiosity about computers, networks and technology
- Following new cyber threats and security news
- Enjoying puzzles and figuring out how systems can be broken

ABILITIES

- Logical and analytical thinking
- Habit of continuous self-learning
- Patience and attention to detail

KEY SKILLS

- Networking and TCP/IP fundamentals
- Python or Bash scripting
- Penetration testing tools (Nmap, Burp Suite)
- Basics of cryptography
- Linux command line
- Web application security (OWASP)
- SIEM and log analysis

4 How to get there

- 1 After Class 12 Science (Maths), take JEE for B.Tech CSE/Cybersecurity
- 2 BCA or B.Sc Computer Science is also a valid route
- 3 Earn certifications like CompTIA Security+ and CEH
- 4 Practise hands-on on TryHackMe and Hack The Box
- 5 Gain real experience via bug bounties (HackerOne, Bugcrowd)
- 6 Target OSCP with experience, and CISSP later in career

MAIN EXAMS

- JEE Main/Advanced (for B.Tech admission)
- State/university entrance tests (BCA/B.Sc)

5 Where to study

GOVERNMENT INSTITUTES

- MNIT Jaipur — Centre for Cyber Security — Jaipur, Rajasthan (<https://www.mnit.ac.in/ccs/>)
- Central University of Rajasthan (CSE) — Ajmer, Rajasthan (<https://www.curaj.ac.in/departments/departments-computer-science-and-engineering>)
- IIIT Kota — Kota, Rajasthan

PRIVATE INSTITUTES

- JECRC University — Jaipur, Rajasthan
- Manipal University Jaipur — Jaipur, Rajasthan
- Poornima University — Jaipur, Rajasthan

ONLINE

- TryHackMe / Hack The Box — Online practice labs
- Coursera / upGrad Cybersecurity — Online

FEES

Government B.Tech ₹1–2 lakh/year; private ₹1.5–4 lakh/year. Certs: Security+ around ₹35–45k, CEH around ₹50k–1 lakh.

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- Rajasthan SSO Scholarship Portal (<https://sso.rajasthan.gov.in>)
- AICTE Pragati Scholarship (girls) (<https://www.aicte-india.org/schemes/students-development-schemes>)

6 What the work is like

WHERE YOU WORK

IT companies, banks, Security Operation Centres (SOC), government agencies and startups.

WORK CULTURE

Team-based work, shift duty in SOC roles, constant upskilling, and a lively bug-bounty community.

WHO HIRES

- | | |
|--|---|
| • TCS, Infosys, Wipro | • EY, Deloitte, PwC, KPMG |
| • CERT-In and government cyber agencies | • Banks and fintech (HDFC, Paytm) |
| • Cybersecurity startups and product companies | • Global vendors like Palo Alto, Cisco, Microsoft |

DEMAND (2026)

With Digital India and rising cyber attacks, India faces a huge shortage of security professionals — demand is growing very fast.

7 Career growth

- 1 SOC Analyst (L1) / Junior Security Analyst
- 2 Penetration Tester / Security Engineer
- 3 Senior Security Engineer / Security Architect
- 4 Chief Information Security Officer (CISO)

EARNINGS

Starting	₹3.5–6 लाख/वर्ष
Mid level	₹8–18 लाख/वर्ष
Senior level	₹25–50 लाख/वर्ष

Pay depends on certifications, city and employer type; product firms and bug bounties can add significant income.

8 The good parts · The challenges

The good parts

- Fast-growing demand and strong pay
- Self-taught path is possible — bug bounties give quick recognition
- Satisfaction of keeping people and companies safe

The challenges

- Must keep learning new tech constantly
- Shift duty and stressful incidents in SOC roles
- High responsibility — one mistake can be costly

9 Real-life journeys

Aditi Singh

Ethical hacker and bug bounty hunter

From a humble Delhi family, Aditi taught herself hacking on YouTube while preparing for medical exams in Kota. She found bugs in 60+ companies including Facebook, Microsoft and TikTok, earning around ₹70 lakh in a single year.

Global Indian · <https://www.globalindian.com/youth/bug-bounty-hunter-aditi-singh/>

Ankit Singh

Self-taught ethical hacker

Ankit Singh from Prayagraj, Uttar Pradesh, learned ethical hacking through online videos during engineering. He found nearly 700 bugs for Apple, IBM, Twitter, Yahoo and the government, and won 7.5 lakh air miles.

The Better India · <https://thebetterindia.com/261138/ankit-singh-ethical-hacker-apple-ibn-yahoo-twitter-security-threat-uttar-pradesh/>

10 Sources & further reading

1. MNIT Jaipur Centre for Cyber Security — <https://www.mnit.ac.in/ccs/>
2. Cyber Security colleges in Rajasthan — <https://engineering.careers360.com/colleges/list-of-cyber-security-colleges-in-rajasthan>
3. India cybersecurity salary 2026 — <https://www.networkershome.com/cybersecurity-salary-india-by-experience-2026/>
4. National Scholarship Portal — <https://scholarships.gov.in>



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

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