



कंप्यूटर नेटवर्क आर्किटेक्ट

A Computer Network Architect designs, builds and maintains data communication networks—from wide area networks to intranets. After deployment they manage the network and troubleshoot issues. It is a strong computer-science career.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/computer-network-architect

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 Computer Network Architect designs, builds and maintains data communication networks—from wide area networks to intranets. After deployment they manage the network and troubleshoot issues. It is a strong computer-science career.

2 At a glance

Minimum qualification	B.Tech/M.Tech (CS/Networking) + certifications
Avg Salary	₹50,000–₹2,50,000/month
Work Area	Networking & telecom
Demand	High

3 What you need

INTERESTS

- Working on computers
- Paying attention to detail
- Analysing problems and situations

ABILITIES

- Logical and analytical thinking
- Problem-solving ability
- Clear communication skills

KEY SKILLS

- TCP/IP & networking protocols
- Network security & firewalls
- Network design & monitoring
- Troubleshooting
- Routing & switching (Cisco)
- Cloud networking (AWS/Azure)
- Scripting & automation (Python)

4 How to get there

- 1 Complete 10+2 in Science (Physics, Chemistry, Maths).
- 2 Do a Bachelor's (B.Tech/B.Sc) in CS/IT.
- 3 Optional: a Master's or PG Diploma in networking.
- 4 Earn industry certifications like Cisco CCNA/CCNP.
- 5 Build experience as a network technician/engineer.

MAIN EXAMS

- JEE Main (for B.Tech)
- REAP – Rajasthan Engineering Admission Process
- GATE (for M.Tech)
- Cisco CCNA/CCNP certification

5 Where to study

GOVERNMENT INSTITUTES

- Malaviya National Institute of Technology (MNIT) — Jaipur (<https://mnit.ac.in>)
- Government Engineering College — Bikaner
- MBM University — Jodhpur
- Rajasthan Technical University — Kota

PRIVATE INSTITUTES

- The LNM Institute of Information Technology (LNMIIT) — Jaipur
- Manipal University Jaipur — Jaipur
- JECRC University — Jaipur

ONLINE

- Cisco Networking Academy — Online (<https://www.netacad.com>)
- NPTEL / SWAYAM – Computer Networks — Online (<https://nptel.ac.in/courses/106105183>)
- Udemy – Computer Network Foundations — Online (<https://www.udemy.com/course/computer-network-system-foundations/>)

FEES

B.Tech/M.Tech fees range from about ₹45,000 to ₹10,00,000; much lower in government institutes. Certification courses cost extra.

SCHOLARSHIPS

- National Scholarship Portal (<https://scholarships.gov.in>)
- Buddy4Study (<https://www.buddy4study.com>)
- Vidya Lakshmi (Education Loans) (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

Work is found in industries like finance and insurance, telecom, education services, computer systems design and IT service companies. Freelancing is also possible.

WORK CULTURE

Work is usually 5–6 days a week, 8–9 hours a day; a shift system may apply. Opportunities also exist for persons with disabilities.

WHO HIRES

- | | |
|-------------------|--------------------------|
| • Cisco | • TCS |
| • Infosys | • Airtel & Jio (telecom) |
| • AWS / Microsoft | • IBM |

DEMAND (2026)

With the expansion of cloud, 5G and digital infrastructure, demand for skilled network architects remains strong in 2026.

7 Career growth

- 1 Junior Network Technician
- 2 Network Engineer
- 3 Computer Network Architect
- 4 Senior Network Architect

EARNINGS

Starting	₹50,000/माह
Mid level	₹1,20,000/माह
Senior level	₹2,50,000+/माह

Income varies by experience, certifications and city (2026 estimate).

8 The good parts · The challenges

The good parts

- High salary and steady demand.
- Every industry needs network experts.
- Certifications enable fast career growth.

The challenges

- Emergencies and late-night work possible during outages.
- Must continually update to new technology and certifications.
- High responsibility and security pressure.

9 Real-life journeys

Padmasree Warrior

Former CTO, Cisco

Born in Vijayawada, Padmasree Warrior served as Chief Technology Officer of networking giant Cisco and later of Motorola. She studied engineering at IIT Delhi and is counted among the world's most influential women technology leaders.

Wikipedia · https://en.wikipedia.org/wiki/Padmasree_Warrior

Pankaj Patel

Former Chief Development Officer, Cisco

Pankaj Patel was Executive Vice President and Chief Development Officer at Cisco, leading the company's networking products. He later co-founded 'Nile' to simplify enterprise networking.

IT Brew · <https://www.itbrew.com/stories/2025/04/08/how-a-former-cisco-executive-plans-to-disrupt-the-enterprise-network-industry>

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.

- Computer Hardware Engineer
- Robotics Engineer
- NLP Engineer

11 Sources & further reading

1. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%95%e0%a4%82%e0%a4%aa%e0%a5%8d%e0%a4%af%e0%a5%82%e0%a4%9f%e0%a4%b0-%e0%a4%a8%e0%a5%87%e0%a4%9f%e0%a4%b5%e0%a4%b0%e0%a5%8d%e0%a4%95-%e0%a4%86%e0%a4%b0%e0%a5%8d%e0%a4%95%e0%a4%bf%e0%a4%9f%e0%a5%87/>
2. Cisco Networking Academy — <https://www.netacad.com>
3. NIRF Rankings — <https://www.nirfindia.org>
4. Salary reference (PayScale) — https://www.payscale.com/research/IN/Job=Network_Architect/Salary



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.

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