



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

कंप्यूटर साइंस इंजीनियरिंग

Computer science engineers build software, apps, websites and AI systems. It is India's biggest engineering field, with opportunities from Jaipur-Jodhpur to abroad.



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-4672

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

Computer science engineers build software, apps, websites and AI systems. It is India's biggest engineering field, with opportunities from Jaipur-Jodhpur to abroad.

2 At a glance

Minimum qualification	12th PCM + B.Tech in CSE
Work mode	Desk job; remote/hybrid common
Demand	Very high - in AI, cloud and cybersecurity
Top earning	Senior engineer/architect: Rs 2-4 lakh+/month

3 What you need

INTERESTS

- Interest in computers and new technology
- Solving puzzles and problems
- Building creative things

ABILITIES

- Logical and critical thinking
- Ability to learn quickly
- Focus and patience

KEY SKILLS

- Programming (Python, Java, C++)
- Data structures and algorithms
- Databases and operating systems
- Web/app development
- Understanding of AI/machine learning
- Cloud and cybersecurity
- Teamwork and communication

4 How to get there

- 1 Pass 10+2 with Physics, Chemistry, Maths.
- 2 Clear JEE Main/Advanced or REAP for B.Tech (CSE).
- 3 Build projects and do internships.
- 4 Take part in coding contests/open source.
- 5 Choose campus placement, or GATE for M.Tech/PSU.

MAIN EXAMS

- JEE Main / JEE Advanced
- BITSAT
- REAP (Rajasthan)
- GATE (CS)

5 Where to study

GOVERNMENT INSTITUTES

- IIT Jodhpur — Jodhpur, Rajasthan (<https://iitj.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- MBM University — Jodhpur, Rajasthan
- Rajasthan Technical University (RTU) — Kota, Rajasthan
- CTAE (MPUAT) — Udaipur, Rajasthan

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan
- LNMIIT — Jaipur, Rajasthan
- Manipal University Jaipur — Jaipur, Rajasthan

ONLINE

- NPTEL/SWAYAM (Computer Science courses) — Online (<https://nptel.ac.in>)
- Coursera / Udemy (Programming) — Online

FEES

About Rs 2-4 lakh in government institutes and Rs 4-12 lakh in private ones (full course); varies by institute.

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

WHERE YOU WORK

IT companies, startups, banks-fintech, government departments, research labs; growing tech hubs in Jaipur and Udaipur.

WORK CULTURE

Desk job, usually a 5-day week; remote/hybrid options common. Good opportunities for persons with disabilities.

WHO HIRES

- | | |
|---------------------------------------|-----------------------------------|
| • TCS / Infosys / Wipro | • Google / Microsoft / Amazon |
| • Zoho / Flipkart / Paytm | • Banks and fintech companies |
| • Government bodies (NIC, ISRO, DRDO) | • Jaipur startups (CarDekho etc.) |

DEMAND (2026)

Demand for AI, cloud, data and cybersecurity specialists is very high in 2026; well-skilled freshers command strong packages.

7 Career growth

- 1 Software Engineer
- 2 Senior Software Engineer
- 3 Team Lead / Architect
- 4 Project/Engineering Manager
- 5 CTO / Director of Technology

EARNINGS

Starting	₹25,000-60,000
Mid level	₹80,000-1,80,000
Senior level	₹2,00,000-4,00,000+

Monthly pay; varies widely by skill and company, higher at top firms. 2026 levels, indicative.

8 The good parts · The challenges

The good parts

- High pay and fast growth
- Remote work and global opportunities
- Startups possible at low cost

The challenges

- Fast-changing tech; constant learning
- Long screen hours and deadline stress
- Stiff competition at entry level

9 Real-life journeys

Neha Narkhede

Co-founder, Confluent; co-creator of Apache Kafka

A computer engineering graduate from a Pune college, Neha helped build Apache Kafka at LinkedIn and co-founded Confluent. She is counted among America's most successful self-made women.

Global Indian · <https://www.globalindian.com/story/entrepreneurship/neha-narkhede-americas-richest-self-made-women/>

Sridhar Vembu

Founder, Zoho Corporation

From a farming family in rural Tamil Nadu, Sridhar Vembu built the billion-dollar software firm Zoho and left Silicon Valley to work from a village. His Zoho Schools turn rural youth without degrees into programmers.

Forbes India · <https://www.forbesindia.com/article/big-bet/cover-story-sridhar-vembus-vision-from-the-village/59833/1>

10 Sources & further reading

1. Rajasthan Career Guidance: Computer Science Engineering — <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%b8%e0%a4%be%e0%a4%87%e0%a4%82%e0%a4%b8-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80%e0%a4%a8%e0%a4%bf%e0%a4%af%e0%a4%b0%e0%a4%bf/>
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.

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