



SAARTHI • सारथी

करियर मार्गदर्शन पोर्टल • Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट • CAREER SHEET

डाटा वैज्ञानिक

A Data Scientist collects, analyses and interprets data to help organisations make better decisions, using programming, statistics and machine learning.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/data-scientist

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 Data Scientist collects, analyses and interprets data to help organisations make better decisions, using programming, statistics and machine learning.

2 At a glance

Minimum qualification	Bachelor's in CS/Maths/Stats
Core skill	Statistics & machine learning
Starting salary	INR 5-8 LPA
Route	Also via online + portfolio

3 What you need

INTERESTS

- Enjoy working with numbers and data
- A practical, curious mindset
- Like analysing patterns and problems

ABILITIES

- Mathematical and statistical thinking
- Explaining findings simply
- Finding the story within data

KEY SKILLS

- Python and R programming
- Machine learning and modelling
- Data visualisation (Power BI, Tableau)
- Statistics and probability
- SQL and data handling
- Problem-solving and business sense

4 How to get there

- 1 Complete Class 12 with Maths

- 2 Do a Bachelor's in CS, Maths or Statistics
- 3 Learn Python, SQL and statistics
- 4 Practise on Kaggle and build a portfolio
- 5 Do a Master's in a related field (optional)

MAIN EXAMS

- JEE Main / State CET (for engineering entry)
- CUET, GATE (for postgraduate/research)

5 Where to study

GOVERNMENT INSTITUTES

- MNIT Jaipur — Jaipur, Rajasthan (<https://mnit.ac.in>)
- IIIT Kota — Kota, Rajasthan (<https://iiitkota.ac.in>)
- Central University of Rajasthan — Ajmer, Rajasthan (<https://curaj.ac.in>)
- IIT Jodhpur — Jodhpur, Rajasthan (<https://iitj.ac.in>)

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan (<https://www.bits-pilani.ac.in>)
- Manipal University Jaipur — Jaipur, Rajasthan (<https://jaipur.manipal.edu>)
- JECRC University — Jaipur, Rajasthan (<https://www.jecrcuniversity.edu.in>)

ONLINE

- NPTEL / SWAYAM — Online (<https://nptel.ac.in/courses/110106072>)
- IGNOU (दूरस्थ शिक्षा) — Online (<https://www.ignou.ac.in>)
- Kaggle / Coursera (Data Science) — Online (<https://www.kaggle.com/learn>)

FEES

Government courses cost about INR 45,000-2 LPA; private ones INR 2-10 LPA. Many top online courses are free-dedication and a portfolio matter most.

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- Buddy4Study (<https://www.buddy4study.com>)
- Rajasthan SJE Uchch Shiksha Chhatravriti (<https://sje.rajasthan.gov.in>)

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

6 What the work is like

WHERE YOU WORK

Tech startups, large firms, banks, government agencies and research institutes; freelancing is possible too.

WORK CULTURE

5-6 days a week, 8-9 hours; remote work is common. Opportunities exist for persons with disabilities.

WHO HIRES

- Reliance Jio, TCS, Infosys
- Flipkart, Swiggy, Zomato
- Analytics firms like Analytics Vidhya, Mu Sigma
- Amazon, Microsoft, Google
- Banks and fintech companies
- Jaipur data startups

DEMAND (2026)

Data science is one of 2026's highest-demand and most accessible paths-you can enter through online learning and a strong portfolio, not only a degree.

7 Career growth

- 1 Junior Data Scientist
- 2 Data Scientist
- 3 Senior Data Scientist
- 4 Data Science Manager/Lead

EARNINGS

Starting	₹5–8 LPA
Mid level	₹12–22 LPA
Senior level	₹30–50 LPA

Figures are indicative and vary with skills, portfolio and employer (2026).

8 The good parts · The challenges

The good parts

- High demand and attractive pay
- Accessible entry via online learning + portfolio
- Opportunities in almost every industry

The challenges

- Needs strong maths and statistics
- A lot of time goes into cleaning data
- Tools and techniques change fast

9 Real-life journeys

Sudalai Rajkumar (SRK)

Data Scientist & Kaggle Grandmaster

Sudalai Rajkumar was a mechanical engineer who taught himself data science and became a multiple-time Kaggle Grandmaster. His story shows that even without the 'right' degree, self-learning can build a data-science career.

Towards Data Science · <https://towardsdatascience.com/how-a-passion-for-numbers-turned-this-mechanical-engineer-into-a-kaggle-grandmaster-8b1ae218afc/>

Dr. Amarjeet Kaur

Senior Data Science Manager, Reliance Jio

Amarjeet Kaur has 11+ years of experience and is a senior data scientist at Reliance Jio. She holds a PhD in AI and wants more women to build careers in STEM and data science.

IndiaAI (Govt of India) · <https://indiaai.gov.in/article/amarjeet-kaur-sr-data-science-manager-reliance-jio>

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.

- AI Healthcare Specialist
- AI UX Designer
- AI Education Specialist

11 Sources & further reading

1. Rajasthan Career Guidance (source) — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%a1%e0%a4%be%e0%a4%9f%e0%a4%be-%e0%a4%b5%e0%a5%88%e0%a4%9c%e0%a5%8d%e0%a4%9e%e0%a4%be%e0%a4%a8%e0%a4%bf%e0%a4%95data-scientist/>
2. NPTEL Data Science course — <https://nptel.ac.in/courses/110106072>
3. Kaggle Learn (free) — <https://www.kaggle.com/learn>
4. National Scholarship Portal — <https://scholarships.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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