



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

ए आई अनुसंधान वैज्ञानिक

An AI Research Scientist pushes the boundaries of artificial intelligence. They develop new algorithms, models and methods, publish research papers, and innovate in areas like deep learning and reinforcement learning. It is an...



Scan for everything on this career

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

career.gssjsjethantri.in/#/career/ai-research-scientist

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

www.gssjsjethantri.in · career.gssjsjethantri.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

An AI Research Scientist pushes the boundaries of artificial intelligence. They develop new algorithms, models and methods, publish research papers, and innovate in areas like deep learning and reinforcement learning. It is an advanced role rooted in deep maths and research.

2 At a glance

Minimum qualification	Master's/PhD (AI, ML, CS)
Average Salary	₹10–40 LPA
Work mode	Research, desk, remote
Demand	High (2026)

3 What you need

INTERESTS

- Creating new, modern things
- Deep study and experimentation
- Solving complex problems

ABILITIES

- Strong grasp of maths, statistics and data
- Logical and research thinking
- Working with software and experimental tools

KEY SKILLS

- Advanced maths and statistics
- Deep learning and reinforcement learning
- Experiment design and analysis
- Python, PyTorch, TensorFlow
- Writing and publishing research papers
- Large language models and generative AI

4 How to get there

- 1 Complete Class 12 in Science (PCM)
- 2 Do a bachelor's in CS/Maths/Statistics/Engineering
- 3 Do a master's in AI/ML/Data Science
- 4 Take part in research projects and internships
- 5 Pursue a PhD for research roles

MAIN EXAMS

- JEE Main / JEE Advanced (B.Tech admission)
- GATE (CS) — for M.Tech/PhD

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>)
- IISc Bengaluru — Bengaluru, Karnataka (<https://iisc.ac.in>)
- IITs (विभिन्न कैम्पस) — India (<https://www.iitsystem.ac.in>)
- NITs (विभिन्न कैम्पस) — India

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan (<https://www.bits-pilani.ac.in>)
- Manipal University Jaipur — Jaipur, Rajasthan (<https://jaipur.manipal.edu>)
- Poornima University — Jaipur, Rajasthan (<https://poornima.edu.in>)
- VIT Vellore — Vellore, Tamil Nadu (<https://vit.ac.in>)

ONLINE

- SWAYAM / NPTEL — Online (<https://swayam.gov.in>)
- IGNOU — Online (<https://www.ignou.ac.in>)
- Coursera (AI विशेषज्ञता) — Online (<https://www.coursera.org>)

FEES

About ₹1–5 lakh per year in government institutes; PhDs often come with a fellowship/stipend.

SCHOLARSHIPS

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

6 What the work is like

WHERE YOU WORK

Research institutes, universities, tech companies, healthcare, industry and government organisations.

WORK CULTURE

Mainly desk and lab work, remote possible. Flexible hours depending on the project; sometimes long experiment sessions.

WHO HIRES

- Google DeepMind, OpenAI, Microsoft Research
- Meta AI, NVIDIA, IBM Research
- IITs, IISc and research labs
- AI startups (Sarvam AI, Krutrim)
- ISRO, DRDO and government research

DEMAND (2026)

Thanks to the generative-AI revolution, global demand for AI scientists doing original research is very high in 2026.

7 Career growth

- 1 Junior AI Research Scientist
- 2 AI Research Scientist
- 3 Senior AI Research Scientist
- 4 Principal Research Scientist
- 5 AI Engineering / Research Head

EARNINGS

Starting	₹10L
Mid level	₹25L
Senior level	₹60L+

Approximate annual pay; varies with qualification, organisation and location.

8 The good parts · The challenges

The good parts

- Work on cutting-edge innovation
- High pay and global prestige
- Both academic and industry opportunities

The challenges

- Long education (PhD often required)
- Highly competitive field
- Failure is common in research

9 Real-life journeys

Anima Anandkumar

Bren Professor, Caltech; former Senior Director of ML Research, NVIDIA

Born in Mysuru, India, Anima Anandkumar is a Bren Professor at Caltech and former Senior Director of ML Research at NVIDIA. She is world-renowned for pioneering work in tensor methods and scientific AI, and inspires young women in science.

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

Sankar Kumar Pal

Former Director, Indian Statistical Institute, Kolkata

Sankar Kumar Pal is a distinguished scientist and former Director of the Indian Statistical Institute, Kolkata. He has made major contributions to pattern recognition, machine learning, image processing, data mining and soft computing.

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

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 Scientist
- Data Scientist
- Software Developer

11 Sources & further reading

1. Rajasthan Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%8f-%e0%a4%86%e0%a4%88-%e0%a4%85%e0%a4%a8%e0%a5%81%e0%a4%b8%e0%a4%82%e0%a4%a7%e0%a4%be%e0%a4%a8-%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%95-ai-research-sc/>
2. MNIT Jaipur — <https://mnit.ac.in>
3. IISc Bengaluru — <https://iisc.ac.in>
4. arXiv (AI research papers) — <https://arxiv.org>



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