



# SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

## आर्टिफिशियल इंटेलिजेंस इंजीनियर

AI engineers build systems that learn and make decisions - from chatbots to self-driving tech. In 2026 it is among the world's fastest-growing, highest-paying careers.



### 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-4597](https://career.gsssjethantri.in/#/career/eng-4597)

### राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

[www.gsssjethantri.in](https://www.gsssjethantri.in) · [career.gsssjethantri.in](https://career.gsssjethantri.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

AI engineers build systems that learn and make decisions - from chatbots to self-driving tech. In 2026 it is among the world's fastest-growing, highest-paying careers.

## 2 At a glance

|                       |                                                     |
|-----------------------|-----------------------------------------------------|
| Minimum qualification | 12th PCM + B.Tech in AI/CS                          |
| Work mode             | Desk job; remote/hybrid common                      |
| Demand                | Very high - generative AI adopted across industries |
| Top earning           | Senior AI engineer: Rs 3-6 lakh+/month              |

## 3 What you need

### INTERESTS

- Deep interest in maths, data and computers
- Understanding human thinking and behaviour
- Solving scientific problems

### ABILITIES

- Logical and mathematical thinking
- Drive to keep learning new technology
- Creative problem solving

### KEY SKILLS

- Python programming
- Mathematics - statistics, linear algebra
- Generative AI/LLM tools
- Ability to frame problems as models
- Machine learning and deep learning (TensorFlow, PyTorch)
- Data processing and databases
- Cloud platforms (AWS, Azure)

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## 4 How to get there

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- 1 Pass 10+2 with Physics, Chemistry, Maths.
- 2 Do B.Tech in AI/CS/Data Science via JEE Main/Advanced or REAP.
- 3 Take online courses in Python and machine learning (NPTEL etc.).
- 4 Build projects, join Kaggle contests and internships.
- 5 Get placed, or pursue M.Tech/research via GATE (DA).

### MAIN EXAMS

- JEE Main / JEE Advanced
- BITSAT
- REAP (Rajasthan)
- GATE (Data Science & AI)

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## 5 Where to study

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### GOVERNMENT INSTITUTES

- IIT Jodhpur (School of AI & Data Science) — Jodhpur, Rajasthan (<https://iitj.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- IIIT Kota — Kota, Rajasthan
- Rajasthan Technical University (RTU) — Kota, Rajasthan
- IIIT Hyderabad — Hyderabad, Telangana

### PRIVATE INSTITUTES

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

### ONLINE

- NPTEL/SWAYAM (AI/ML courses) — Online (<https://nptel.ac.in>)
- Coursera / Udemy (AI specialisations) — Online

### FEES

About Rs 50,000-2.5 lakh per year in government institutes and Rs 2-5 lakh per year in private ones; online certificate courses are much cheaper.

**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**

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**WHERE YOU WORK**

IT and tech companies, AI startups, banks-fintech, research labs and government projects; in big cities including Jaipur, and remote.

**WORK CULTURE**

Desk job, usually a 5-day week; pressure near project deadlines. Good opportunities for persons with disabilities.

**WHO HIRES**

- |                                             |                                       |
|---------------------------------------------|---------------------------------------|
| • Google / Microsoft / NVIDIA               | • TCS / Infosys / Accenture           |
| • Indian AI startups (Sarvam, Krutrim etc.) | • Banks and fintech companies         |
| • ISRO / DRDO / NIC                         | • Healthcare and e-commerce companies |

**DEMAND (2026)**

With the IndiaAI Mission and generative AI adoption across industries, 2026 demand is very high; skilled AI engineers remain scarce.

**7 Career growth**

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- 1 Junior AI/ML Engineer
- 2 AI Engineer / Data Scientist
- 3 Senior AI Engineer
- 4 Principal Engineer / AI Lead
- 5 AI Architect / CTO

## EARNINGS

|              |                     |
|--------------|---------------------|
| Starting     | ₹40,000-80,000      |
| Mid level    | ₹1,00,000-2,50,000  |
| Senior level | ₹3,00,000-6,00,000+ |

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

## 8 The good parts · The challenges

### The good parts

- Very high pay and global demand
- Applications in every field - farming to healthcare
- Remote work and startup opportunities

### The challenges

- Technology changes very fast; constant study needed
- Hard without a strong maths-coding base
- Global competition at entry level

## 9 Real-life journeys

### Ramya Joseph

Founder, Pefin - the first AI financial advisor

Trained in computer science and AI, Indian-origin Ramya built Pefin, the world's first AI financial advisor, after watching her father's money troubles in the 2008 crisis. She left a Goldman Sachs job to take the leap.

CNBC · <https://www.cnbc.com/2017/09/08/fintech-start-up-pefin-uses-a-i-to-offer-financial-advice.html>

### Tanmay Bakshi

Young AI expert; IBM Watson developer

Indian-origin Tanmay taught himself coding at age 5 and became an AI expert working with IBM by 14. Learning from YouTube without costly resources, he built AI solutions for healthcare.

CNBC · <https://www.cnbc.com/2018/01/25/how-self-taught-14-year-old-tanmay-bakshi-became-an-ai-expert-for-ibm.html>

## 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.

- Civil Engineer
- Agricultural Engineer
- Aeronautical Engineer

## 11 Sources & further reading

1. Rajasthan Career Guidance: Artificial Intelligence Engineer — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%86%e0%a4%b0%e0%a5%8d%e0%a4%9f%e0%a4%bf%e0%a4%ab%e0%a4%bf%e0%a4%b6%e0%a4%bf%e0%a4%af%e0%a4%b2-%e0%a4%87%e0%a4%82%e0%a4%9f%e0%a5%87%e0%a4%b2%e0%a4%bf%e0%a4%9c%e0%a5%87%e0%a4%82%e0%a4%b8-%e0%a4%87/>
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.

[career.gsssjethantri.in](https://career.gsssjethantri.in)