



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

आर्टिफिशियल इंटेलिजेंस विशेषज्ञ

An AI Specialist / Machine Learning Engineer builds systems that learn from data such as chatbots, recommendations and image recognition. It is one of the fastest-growing tech fields of 2026.



Scan for everything on this career

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

career.gsssjethantri.in/#/career/ai-specialist

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

An AI Specialist / Machine Learning Engineer builds systems that learn from data such as chatbots, recommendations and image recognition. It is one of the fastest-growing tech fields of 2026.

2 At a glance

Min qualification	B.Tech CSE/AI-ML, or strong maths with online skills
Work mode	Office or remote, mostly coding at a computer
Demand (2026)	Very high and rising fast
Top earning	₹30–60 lakh/year or more

3 What you need

INTERESTS

- Interest in maths, statistics and patterns
- Solving problems using data
- Coding and learning new technology

ABILITIES

- Logical and analytical thinking
- Patience to experiment and improve
- Habit of continuous learning

KEY SKILLS

- Python programming
- Maths: linear algebra, calculus, probability
- SQL and data structures
- ML frameworks (TensorFlow, PyTorch)
- Data analysis and cleaning
- Model deployment and MLOps basics

4 How to get there

- 1 Complete 10+2 Science with Maths
- 2 Crack JEE and join B.Tech CSE or AI-ML
- 3 Alternative: B.Sc Computer Science + AI specialization
- 4 Take online Python and ML courses (Coursera, NPTEL, fast.ai)
- 5 Build projects and a GitHub portfolio
- 6 Gain experience via internships, then an ML engineer job

MAIN EXAMS

- JEE Main / JEE Advanced for B.Tech
- GATE (CS / DA) for M.Tech / research

5 Where to study

GOVERNMENT INSTITUTES

- MNIT Jaipur — Jaipur, Rajasthan (<https://www.careers360.com/university/malaviya-national-institute-of-technology-jaipur>)
- IIIT Kota — Kota, Rajasthan (<https://www.collegepravesha.com/engineering-colleges/iiit-kota/>)
- IIT Delhi / IIT Bombay — Delhi / Mumbai

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan
- Arya College (B.Tech AI-ML) — Jaipur, Rajasthan (<https://www.aryacollege.org/btech-ai-with-machine-learning/>)
- Nirwan University (B.Tech AI-ML) — Jaipur, Rajasthan (<https://www.nirwanuniversity.ac.in/ug-programmes/btech-ai-ml>)

ONLINE

- Coursera (Andrew Ng ML / Deep Learning) — Online (<https://www.coursera.org>)
- NPTEL (IIT courses) — Online (<https://nptel.ac.in>)
- fast.ai — Online (<https://www.fast.ai>)

FEES

About ₹1–2 lakh/year at government institutes; ₹1.5–4 lakh/year at private colleges. Online courses range from free to ₹50,000.

SCHOLARSHIPS

- National Scholarship Portal (NSP) (<https://scholarships.gov.in>)
- AICTE Pragati Scholarship (for girls) (<https://www.aicte-india.org/schemes/students-development-schemes>)
- Rajasthan SSO Scholarship Portal (<https://sso.rajasthan.gov.in>)

6 What the work is like

WHERE YOU WORK

Tech companies, startups, banks, research labs and remote teams

WORK CULTURE

Teamwork, constant learning and experimenting on new models; flexible hours but deadline pressure

WHO HIRES

- | | |
|-------------------------------|-----------------------|
| • Google and Microsoft | • TCS, Infosys, Wipro |
| • Amazon and NVIDIA | • AI startups |
| • Banks and fintech companies | • Research institutes |

DEMAND (2026)

In 2026 demand for AI and ML skills is very high; every industry increasingly needs these engineers.

7 Career growth

- 1 ML Intern / Junior Data Scientist
- 2 Machine Learning Engineer
- 3 Senior ML Engineer / AI Specialist
- 4 AI Architect / Research Lead

EARNINGS

Starting	₹6–12 लाख/वर्ष
Mid level	₹12–30 लाख/वर्ष
Senior level	₹30–60 लाख/वर्ष या अधिक

Product companies and startups pay 40–70% more than IT-services firms; pay rises quickly with skill and experience.

8 The good parts · The challenges

The good parts

- High pay and fast career growth
- Can be learned even through online resources
- Interesting and future-focused work

The challenges

- Requires strong maths and constant learning
- Technology changes very fast
- High competition at entry level

9 Real-life journeys

Devi Parikh

Co-founder of AI startup Yutori and former Senior Director of Generative AI at Meta

Raised in Ahmedabad, Devi Parikh fell in love with machine learning while studying engineering in the US. She built pioneering technology such as Visual Question Answering (VQA), led Generative AI at Meta, and now runs her own AI startup.

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

Raj Reddy

AI pioneer and Turing Award laureate

Born in the small village of Katur in Andhra Pradesh, Raj Reddy was the first in his family to attend college. Through hard work he became an AI pioneer and the first person of Asian origin to win the Turing Award.

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

10 Sources & further reading

1. AI Engineer salary guide 2026 — <https://taggd.in/blogs/ai-engineer-salary/>
2. MNIT Jaipur admission info — <https://www.careers360.com/university/malaviya-national-institute-of-technology-jaipur/admission>
3. IIIT Kota information — <https://www.collegepravesha.com/engineering-colleges/iiit-kota/>
4. Influential Indian women in AI — <https://www.analyticsvidhya.com/blog/2024/03/influential-indian-women-in-ai/>



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