



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

कृत्रिम बुद्धिमत्ता सॉफ्टवेयर डेवलपर

AI software developers design, build and deploy intelligent software and applications using machine learning, deep learning and data. It is one of the fastest-growing careers 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-software-developer

राजकीय उच्च माध्यमिक विद्यालय, जेठन्तरी

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

www.gsssjethantri.in · 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 software developers design, build and deploy intelligent software and applications using machine learning, deep learning and data. It is one of the fastest-growing careers of 2026.

2 At a glance

Minimum qualification	B.Tech CSE/AI, or strong maths with online skills
Work mode	Office or remote, mostly coding
Demand	Very high (generative AI boom)
Top earning	₹40–60 lakh/year or more

3 What you need

INTERESTS

- Coding and building new things
- Maths and data
- Solving problems

ABILITIES

- Logical and analytical thinking
- Patience for debugging
- Habit of continuous learning

KEY SKILLS

- Python and programming
- Data structures and algorithms
- SQL and data handling
- MLOps and model deployment
- ML/DL frameworks (TensorFlow, PyTorch)
- Maths: linear algebra, probability
- APIs and cloud

4 How to get there

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

MAIN EXAMS

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

5 Where to study

GOVERNMENT INSTITUTES

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

PRIVATE INSTITUTES

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

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; ₹1.5–4.5 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 SJE Scholarship Portal (<https://sje.rajasthan.gov.in/>)
- Vidya Lakshmi Education Loan Portal (<https://www.vidyalakshmi.co.in>)

6 What the work is like

WHERE YOU WORK

IT and software companies, R&D, fintech, healthcare, automation, startups, remote teams

WORK CULTURE

Desk/coding job, teamwork and agile; flexible hours but deadline pressure; freelance and entrepreneurship possible

WHO HIRES

- | | |
|-------------------------------------|-----------------------|
| • Google, Microsoft, Amazon, NVIDIA | • TCS, Infosys, Wipro |
| • AI startups | • Fintech companies |
| • Product and SaaS companies | • Research institutes |

DEMAND (2026)

In 2026 demand is very high; with the generative AI boom every industry is hiring AI developers.

7 Career growth

- 1 Junior AI Software Developer
- 2 Senior AI Software Developer
- 3 Team Lead / Project Manager
- 4 Head of AI

5 Chief Technology Officer (CTO)

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.

8 The good parts · The challenges

The good parts

- High pay and fast career growth
- Can be learned even through online resources
- Future-focused and remote-friendly

The challenges

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

9 Real-life journeys

Ashwini Asokan

Founder & CEO of Mad Street Den (Vue.ai), AI entrepreneur

Ashwini Asokan left a Silicon Valley job to start the AI startup Mad Street Den in Chennai, whose AI builds computer vision for retail and e-commerce. She is an inspiring woman example of AI entrepreneurship in India.

YourStory · <https://yourstory.com/2019/09/mavericks-ashwini-asokan-startup-mad-street-den>

Ashish Vaswani

Co-founder & CEO of Essential AI, lead researcher behind the Transformer architecture

Born in India and educated at BIT Mesra, Ashish Vaswani is the lead author of the landmark 2017 paper 'Attention Is All You Need', which introduced the Transformer architecture that powers today's large AI models like ChatGPT. After working at Google Brain, he co-founded his own AI company, Essential AI. He is an example of global impact in AI research for Indian students.

Forbes India · <https://www.forbesindia.com/article/ai-special-2025/ashish-vaswanis-essential-ai-wants-to-use-powerful-ai-to-solve-humanitys-biggest-challenges/96148/1>

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 Govt career guidance — <https://cg.rajasthan.gov.in/careerguidance/>
2. Machine Learning (Coursera, Andrew Ng) — <https://www.coursera.org>
3. NPTEL AI/ML courses — <https://nptel.ac.in>
4. fast.ai free deep learning — <https://www.fast.ai>



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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