



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

संवर्धित वास्तविकता इंजीनियर

AR engineers build apps and experiences that overlay digital images, 3D models and information on the real world - for games, education, shopping and industry. It blends technology with creativity.



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-4599

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

AR engineers build apps and experiences that overlay digital images, 3D models and information on the real world - for games, education, shopping and industry. It blends technology with creativity.

2 At a glance

Minimum qualification	12th PCM + B.Tech in CS/AR-VR
Work mode	Desk job; studio/remote options
Demand	Growing - in gaming, education, retail and smart glasses
Top earning	Senior XR engineer: Rs 2-4 lakh+/month

3 What you need

INTERESTS

- Interest in games, 3D graphics and new technology
- Building creative things
- Paying attention to detail

ABILITIES

- Creative and visual thinking
- Good grasp of computers
- Problem solving and patience

KEY SKILLS

- Unity/Unreal Engine
- C#, C++ and Python programming
- Tools like ARKit/ARCore and Spark AR
- 3D modelling (Blender etc.)
- Understanding of computer vision and AI
- UI/UX design sense

4 How to get there

- 1 Pass 10+2 with Physics, Chemistry, Maths.
- 2 Do B.Tech in CSE/AR-VR specialisation via JEE Main/Advanced or REAP.
- 3 Learn Unity and Blender; build small AR projects/filters.
- 4 Build a portfolio and intern at gaming/XR studios.
- 5 Optionally pursue M.Tech or higher XR studies abroad.

MAIN EXAMS

- JEE Main / JEE Advanced
- BITSAT
- REAP (Rajasthan)
- GATE (CS)

5 Where to study

GOVERNMENT INSTITUTES

- IIT Jodhpur — Jodhpur, Rajasthan (<https://iitj.ac.in>)
- MNIT Jaipur — Jaipur, Rajasthan (<https://www.mnit.ac.in>)
- IIT Madras — Chennai, Tamil Nadu
- IIT Roorkee — Roorkee, Uttarakhand

PRIVATE INSTITUTES

- BITS Pilani — Pilani, Rajasthan
- LNMIIT — Jaipur, Rajasthan
- Chandigarh University — Mohali, Punjab

ONLINE

- NPTEL/SWAYAM (AR/VR courses) — Online (<https://nptel.ac.in>)
- Coursera / Udemy (AR development) — Online

FEES

B.Tech fees are about Rs 50,000-2.5 lakh per year in government institutes and Rs 2-5 lakh in private ones; online AR courses cost a few thousand rupees.

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

WHERE YOU WORK

Game studios, IT companies, edtech and real estate firms, XR startups and social media platforms.

WORK CULTURE

5/6 days a week, 8/9 hours a day; work with creative teams. Opportunities exist for persons with disabilities.

WHO HIRES

- XR startups like Jio Tesseract / AjnaLens
- Gaming studios (Ubisoft, Lakshya Digital etc.)
- Edtech and healthcare simulation companies
- TCS / Infosys / Accenture (XR teams)
- Meta/Snap creator ecosystems
- Real estate and retail visualisation firms

DEMAND (2026)

In 2026 demand is rising fast with AR use in smart glasses, gaming, virtual training and online shopping; skilled XR developers are still few.

7 Career growth

- 1 Junior AR/Unity Developer
- 2 AR Engineer
- 3 Senior XR Developer
- 4 Technical Lead / XR Designer
- 5 Senior Solutions Architect

EARNINGS

Starting	₹30,000-60,000
Mid level	₹80,000-1,50,000
Senior level	₹2,00,000-4,00,000+

Monthly pay; varies by portfolio and company. 2026 levels, indicative.

8 The good parts · The challenges

The good parts

- Exciting mix of creativity and coding
- New field - few experts, fast growth
- Diverse projects from gaming to industry

The challenges

- Technology and tools change quickly
- Limited jobs in smaller cities for now
- Long screen hours and deadline pressure

9 Real-life journeys

Gayathri Shri

Senior AR developer (Fanisko); mentor to women coders

After studying software development, Gayathri Shri became an expert in Spark AR, Lens Studio and Unity 3D and served as senior AR developer at Fanisko. In this male-dominated field, she works to grow India's gang of women coders.

XR-OM Podcast (Spotify) · <https://creators.spotify.com/pod/profile/eddie-avil/episodes/GROWING-GANG-OF-WOMEN-CODERS-FROM-INDIA---GAYATHRI-SHRI---SNR-AUGMENTED-REALITY-DEVELOPER--FANISKO-e17tbqb>

Kshitij Marwah

Founder, Tesseract (mixed reality startup)

Trained at IIT and MIT Media Lab, Kshitij founded Tesseract in India, building holographic headsets and 360-degree cameras. Featured in Forbes 30 Under 30, his company later became part of Jio.

Forbes India · <https://www.forbesindia.com/article/30-under-30-2018/kshitij-marwah-using-tech-and-design-to-solve-problems/49321/1>

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.

- Civil Engineer
- Agricultural Engineer
- Aeronautical Engineer

11 Sources & further reading

1. Rajasthan Career Guidance: Augmented Reality Engineer — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%b8%e0%a4%82%e0%a4%b5%e0%a4%b0%e0%a5%8d%e0%a4%a7%e0%a4%bf%e0%a4%a4-%e0%a4%b5%e0%a4%be%e0%a4%b8%e0%a5%8d%e0%a4%a4%e0%a4%b5%e0%a4%bf%e0%a4%95%e0%a4%a4%e0%a4%be-%e0%a4%87%e0%a4%82%e0%a4%9c%e0%a5%80/>
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.

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