



**LAMRIN TECH SKILLS
UNIVERSITY PUNJAB**

PUNJAB'S FIRST SKILL UNIVERISTY

B.TECH CSE

SPECIALIZATION IN AGENTIC AI

Offered by the Department of Computer Science and Engineering

In collaboration with



Powered by





WHAT WE'LL COVER TODAY

1

The Problem

Why 55% of engineers don't get hired

2

Your Profile in 4 Years

What changes when you specialise

3

AI and the Job Market

How hiring has changed permanently

4

The Program

What you've joined and why it matters

5

Curriculum and Certifications

7 Azure certs built into your degree

6

NIMBUS and CareerXL

Your portfolio and placement prep tools

7

4-Year Roadmap

What each year looks like

8

Career Outcomes

Roles, salaries, and real placements

9

India's AI Opportunity

Right time, right place

10

The byteXL Way

How to get the most out of this program



THE REALITY CHECK

45%

45% Job-ready

55% Not job-ready

of engineering graduates are NOT job ready

Source: Industry reports on graduate employability in India

This number has not improved
in 5 years.

Too much theory

Graduates finish 4 years without building a single production-ready product.

No verifiable skills

A degree alone doesn't tell a recruiter you can build. Certifications do.

Outdated curriculum

Most CSE programs still teach what companies needed a decade ago.

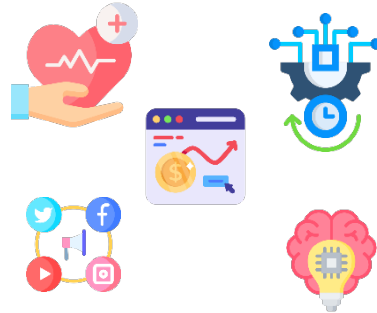
No portfolio

Marks on paper vs code on GitHub. Recruiters check GitHub before they call.

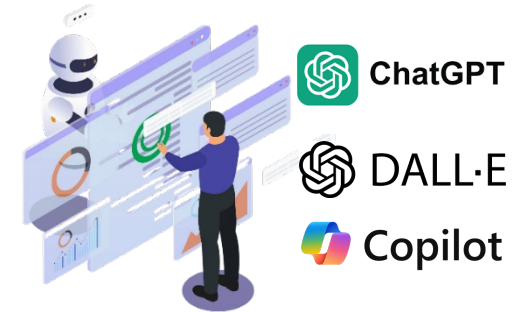
GLOBAL SHIFT: AI IS RESHAPING INDUSTRIES



Over **97 million** new AI-related jobs projected globally by 2027 (World Economic Forum)



AI is already used in healthcare, fintech, marketing, automation, and creative industries



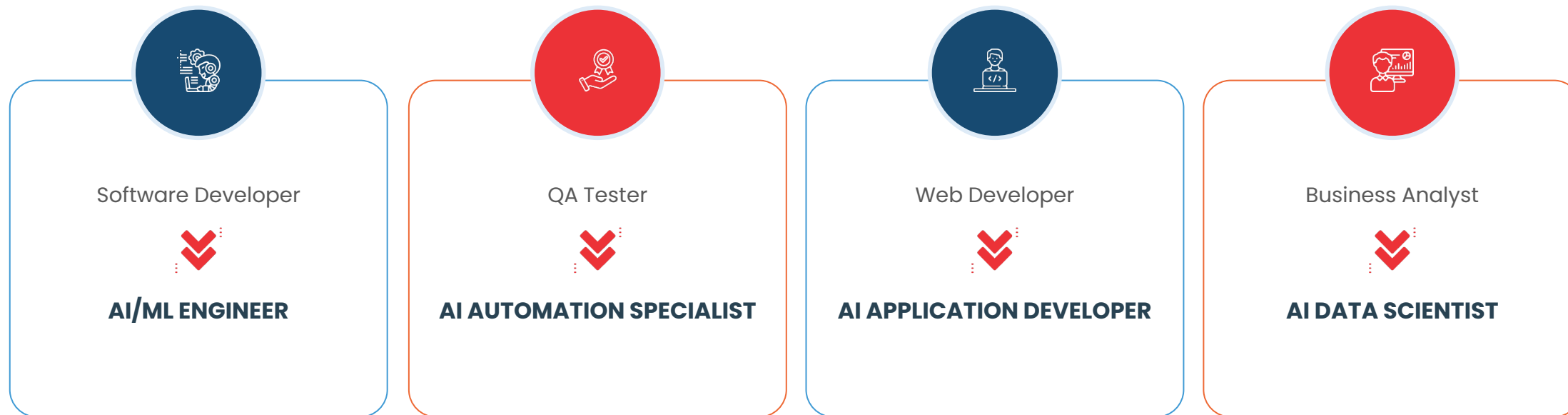
Generative AI (like ChatGPT, DALL-E, Copilot) is transforming how we work and create

“ The question isn't whether AI will impact your career.
It's whether you'll be ready to lead in this change. ”



FROM CODERS TO CREATORS: THE AI-DRIVEN CAREER SHIFT

The industry doesn't want coders. It wants builders who understand AI.



AI ROLES ARE THE FASTEST GROWING IN TECH



Jobs are evolving from execution to intelligence.
Industry wants innovators. This program creates them.



▲ B.TECH CSE – SPECIALIZATION IN AGENTIC AI

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UGC / AICTE Approved | Running since 2023

No prior programming experience needed. Starts from scratch.

KEY HIGHLIGHTS

4 Year

Full Time
B.Tech Degree

7 Microsoft Azure Certifications built into your degree



70% of curriculum is GenAI focused

60% practical learning – more building, less studying

5-6 industry-grade projects on your CV by graduation



CURRICULUM BUILT FOR WHERE AI IS GOING

CORE SUBJECTS

Python, C, JavaScript, Java
Data Structures and Algorithms
Operating Systems · Computer Networks
Full Stack and Backend Development
Machine Learning · Deep Learning
NLP · Computer Vision · GANs · Transformers
Agentic Frameworks and Advanced AI Agents
AI in Healthcare, Cybersecurity and Finance
Responsible AI · Bias, Fairness and Safety

7 MICROSOFT AZURE CERTIFICATIONS

AZ-900	Azure Fundamentals
AI-901	Azure AI Fundamentals
DP-900	Azure Data Fundamentals
AI-103	Azure AI App and Agent Developer
AI-300	Azure MLOps Engineer
AI-200	Azure AI Cloud Developer
DP-800	Azure SQL AI Developer Associate

One certification per semester.
Each carries a verifiable LinkedIn credential ID.



▲ YOUR PORTFOLIO STARTS **GROWING ON DAY ONE**

Every line of code, every problem solved, every project — captured and visible on the byteXL platform.



NIMBUS
Project Simulator

10,000+

Lines of code captured

1,000+

Problems solved

5-6

Industry-grade projects

This portfolio gets recruiters interested. When they see depth like this, hiring decisions lean your way.



CareerXL
Placement Preparation

4,000+

Coding practice problems

50+

Company-specific mock tests

90-120 Hrs

Structured placement training

Resume building, LinkedIn and GitHub setup, and company-specific interview prep — all included.



YOUR 4-YEAR ROADMAP: WHAT EACH YEAR LOOKS LIKE

YEAR 1

Build the Foundation

- Python from scratch
- Product Thinking and logic
- English Communications
- Azure from Semester 1



YEAR 2

Understand Data and Systems

- Data Analytics and ML
- Databases, OS, Architecture
- Data Analysis from Semester 3
- GenAI from Semester 4



YEAR 3

Build AI Products

- Advanced AI from Sem 5
- Deep Learning, NLP, Vision
- Travel Planner AI Agent
- RAG System project



YEAR 4

Launch Your Career

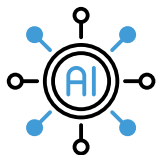
- Agentic AI applications
- Internship and research
- Capstone project
- Full placement prep



WHAT MAKES GEN AI UNIQUE OVER OTHER PROGRAMS?

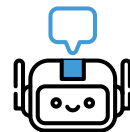
	Regular B.Tech Program		CSE with AGENTIC AI	
AI and GenAI Subjects	None	✗	70-80% of curriculum	✓
Microsoft Certifications	None	✗	7 Azure certs in the degree	✓
Practical Learning	~20-30%		60% – build, not study	✓
Industry Projects on CV	Usually 0-1	✗	5-6 industry-grade projects	✓
Azure and Cloud Tools	Not included	✗	Azure AI, ML Studio – free	✓
Placement Prep	General college cell		byteXL leaning platform	✓
Curriculum Updated	Every few years		Every year, vetted by Microsoft	✓
Job Roles Targeted	General IT / developer		AI Engineer, ML Engineer, Data Scientist	✓

WHERE CAN THIS DEGREE TAKE YOU?



AI Engineer

Build intelligent systems and deploy AI models at scale



Agentic AI Engineer

Design autonomous agent workflows using LangChain and OpenAI SDK



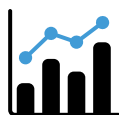
ML Engineer

Train, evaluate, and productionise machine learning models



Data Scientist

Extract insights from data to drive product and business decisions



Data Analyst

Interpret complex datasets and communicate findings clearly



Prompt Engineer

Craft and optimise prompts for GenAI models — a standalone career path

Top placements from
byteXL's network:

27 LPA and **21 LPA**

Year 2 students already on paid internships
including Ministry of Defence projects

STUDENT THOUGHTS ON THE PROGRAM



As a first-year student, the byteXL GenAI program gave me a great start in AI. Even with just C and Python, I could follow and learn. My AZ-900 and AI-900 results gave me real confidence.

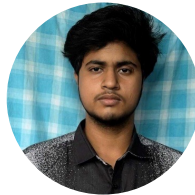


Ashmit Thakur

1st Year Student



The program gave me practical skills in AI tools and real-world applications. The hands-on projects improved my confidence and technical abilities. I'd recommend it to anyone aiming for a career in AI.



Shaikh Tammam

2nd Year Student



Being brand ambassador for this program has shown me how differently recruiters see students with Azure certifications and real project experience compared to a regular degree.



Dama Sri Ram

2nd Year — Brand Ambassador



Mentorship from byteXL trainers has increased my confidence and skills. Additionally, the certification learning support has given me a clear plan to strengthen my knowledge and prepare for industry-recognized credentials.



Unnati Mishra

1st Year Student



WHY TRUST BYTEXL TO DELIVER THIS

160K+

Students on Platform

45+

College Partnerships

1,000+

Active Trainers

200K+

Codes Saved on NIMBUS

1,500+

Placed in top product companies

25,000+

Placed in service-based tech firms

27 LPA

Highest package in byteXL network

Founded 2019

Operational 6+ years with consistent growth

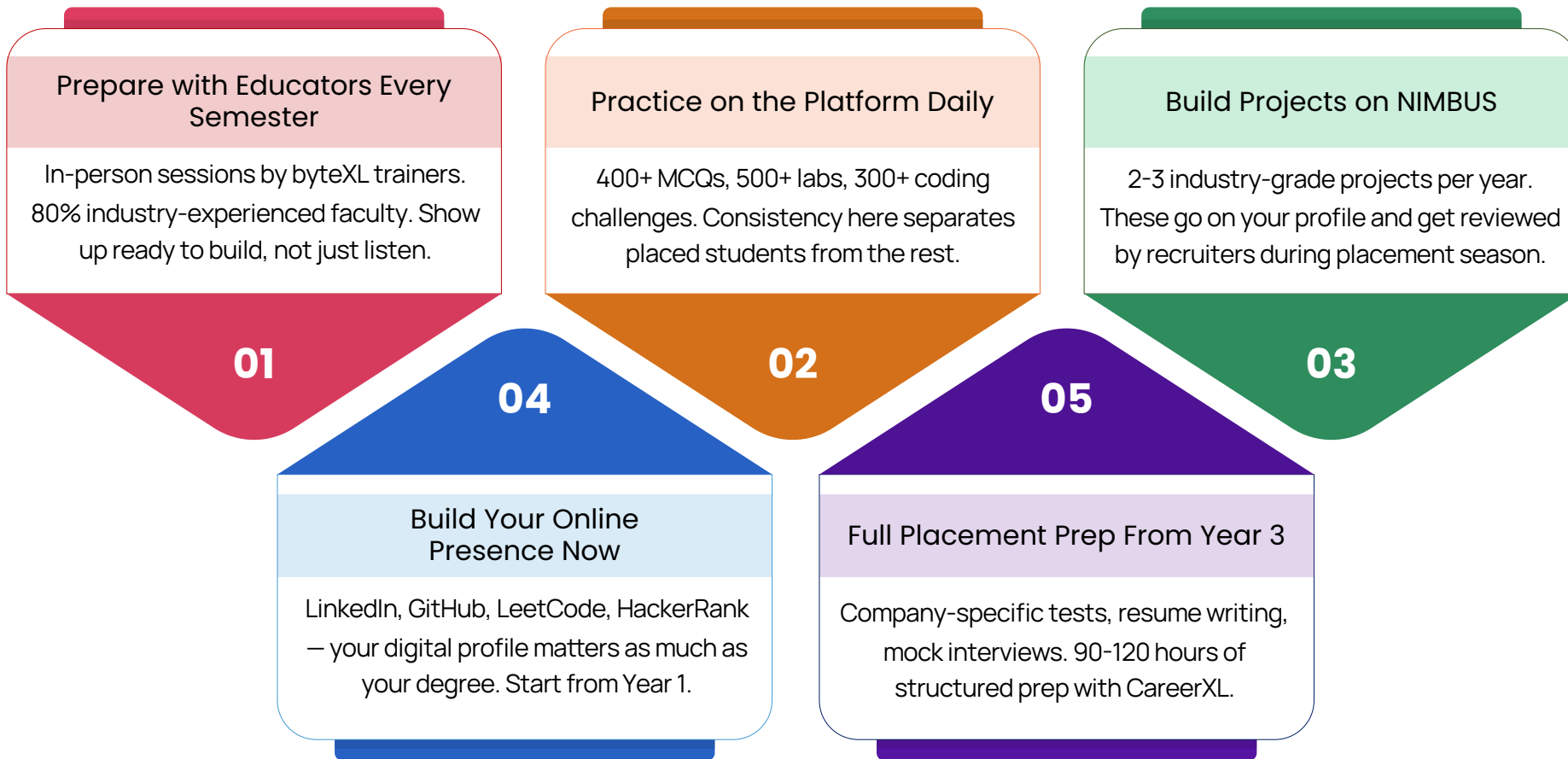
Kalaari Capital and Dell Foundation

Backed by institutional investors

Microsoft in
Education Global
Training Partner



▲ THE BYTEXL WAY: HOW TO GET THE MOST OUT OF THIS PROGRAM



▲ **START THESE NOW — YOUR 4 CAREER PLATFORMS**

Every recruiter who looks you up will check these before calling. Build them from Semester 1.



PROFESSIONAL IDENTITY

Where recruiters check first.
Add each Azure cert here — all 7
have verifiable IDs. Start from
Semester 1.



CODE PORTFOLIO

Push every NIMBUS project
here. Recruiters look at your
commit history before
interviews. Daily activity
matters.



PROBLEM-SOLVING RECORD

Most tech companies screen here.
300+ problems solved by
graduation signals you're serious.
Use CareerXL to prep.



SKILLS VERIFICATION

Many companies use
HackerRank for screening. Get
Python and SQL certified early —
it moves you up the shortlist.

◀ You're Already In the Right Place.

Now it's about what you do with it.

Ask anything — about the program, the platform, placements, certifications, or what your next four years will look like.

Quick Recap

- 4-year B.Tech degree — full-time on campus
- 7 Microsoft Azure certifications included
- 70% GenAI curriculum x 60% practical
- 5-6 industry projects on your CV
- NIMBUS portfolio + CareerXL prep
- Paid internship from Year 2
- Placement support for product and IT firms
- Research pathway for PhD / MS
- No prior coding experience needed



Thank you

**Ready to build
your future in AI?**

Contact us through the
options below or scan the
QR code to learn more



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CAMPUS: 40 min drive from Chandigarh & 5 min drive from
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