NAAC ACCREDITED BY

AICTE APPROVED

INSPIRIA®
KNOWLEDGE CAMPUS

www.inspiria.edu.in

BCA
in Artificial Intelligence & Machine Learning

4 Years | Full-Time | Industry-Integrated

AI

Get Life-Ready with Inspiria

2025

BCA in Artificial Intelligence & Machine Learning:
Introduced to place graduates at the cutting edge of technology by focusing on advanced Artificial Intelligence and intelligent systems.

Trusted Recognitions

National Assessment and Accreditation Council

All India Council for Technical Education

MAKAUT, University of Technology

Institution's Innovation Council (IIC)

NAAC
NATIONAL ASSESSMENT AND
ACCREDITATION COUNCIL

AICTE

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL
Utech

Format
FULL TIME
Immersive learning
experience

Eligibility
CLASS XII
From Fundamentals to
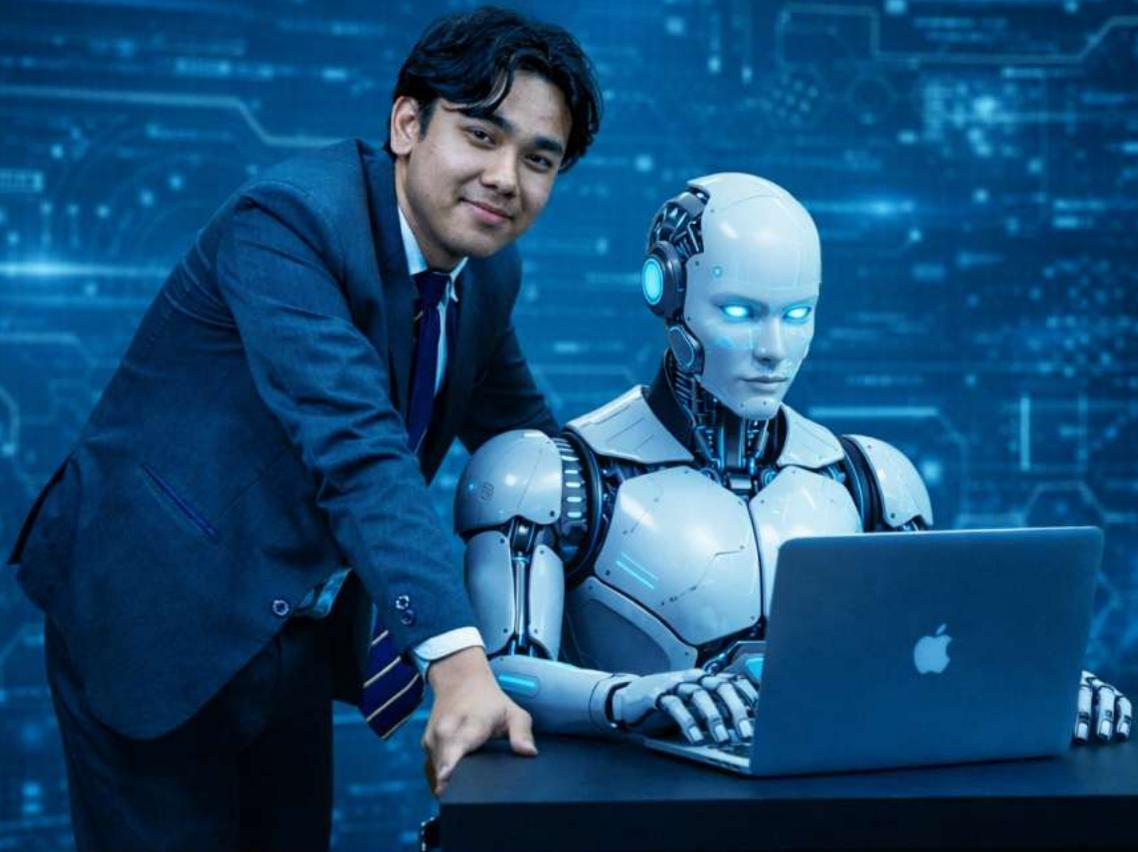Future-ready Skills

Approval
AICTE
The only AICTE-approved digital
marketing degree course in
Siliguri.

Duration
4 YEARS
3 years at Inspiria + 1 Year-
Long Internship

4-YEAR | 8-SEMESTER
CURRICULUM MAP

1st Semester
- C Programming
- Foundation of AI
- Life Skills & Personality Development

2nd Semester
- Data Structure Algorithms
- Machine Learning
- Python Programming
- IT Skills
- Critical Thinking

3rd Semester
- Intelligence of Biological Systems
- Operating System
- Cyber Security

4th Semester
- Drones
- OOPS with Python/ Java
- E-Commerce

5th Semester
- Natural Language Processing
- Soft Computing
- Internship

6th Semester
- Robotics
- Deep Learning
- Pattern Recognition
- Career planning & management

7th Semester
- Internet of Things(IOT)
- Language & Automata Theory
- Cyber Security
- Data Analysis

8th Semester
- Big Data Analytics
- Cloud Computing
- Research Project

Academic Outcomes and
Industry Alignment

Year 01

Master coding and communication

Entry-Level Tech Readiness

Outcomes
- C programming
- Analytical Thinking
- Team Communication

Year 02

Bridge tech with business

Core Tech & Business Ops

Outcomes
- Python/Java
- SQL
- System Operations
- Networking Basics

Year 03

Build AI, gain experience

Applied AI & Experience

Outcomes
- Machine Learning
- Automation
- Computer Vision
- CRM Tools

Year 04

Master tech, drive innovation

Advanced Tech & Research

Outcomes
- Cloud Deployment
- Data Engineering
- IoT Integration
- Research & Analytics

Industry-Oriented
CURRICULUM

To equip students with comprehensive technical proficiency and hands-on IT skills, fostering readiness for careers in software development, data management, and evolving technology domains.

Practical Learning:
Hands-on projects, labs, coding exercises, and hackathons

Industry Exposure:
Internship, live projects, company visits, and mentorship

Updated Curriculum:
Latest tools, technologies, and industry-relevant subjects

Skill Development:
Soft skills, problem-solving, teamwork, & communication.

Discover:
a unique
undergraduate program

Practical Curriculum

01 Full-Stack Development

- Frontend: HTML, CSS, JavaScript
- Backend: Node.js, Python (Django/Flask), PHP
- Tools: Git & GitHub

02 Database & Data Management

- Databases: MySQL, MongoDB
- Tools: SQL Workbench, Firebase

Transforming theory into practice

03 Cloud & Deployment

- Cloud: AWS, Google Cloud
- Deployment: Heroku, Netlify, Vercel
- Tools: Docker

04 Emerging Technologies

- AI/ML
- Blockchain
- AR/VR

Hands-on
Experiential Learning

01

High end Computer Labs
with latest Softwares

02

Visit to Data centres &
High Performance
Computing Units

03

Application driven
learning through Projects

Supplementary value-added seminars & sessions
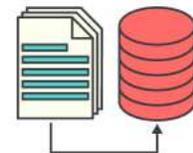
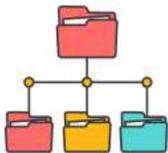Cybersecurity

Artificial Intelligence
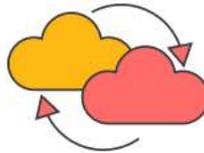
Data Analytics and BI

UI/UX Designs

Technical Mastery
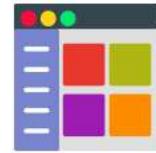
(Hard Skills)

Databases

Data Structure & Algorithms

Cloud Computing

Full stack developer

Professional Competence (Soft Skills)

Project Management

Communication & Team work

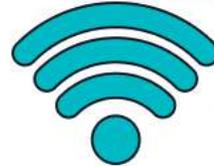Quantitative Aptitude

Technical Writing

Learning Ecosystem

Campus Powered by:
Google Apps

State-of-the-Art Labs with:
High-Speed Connectivity

Tech enabled:
Classroom Environment

Well-equipped library and
Digital Knowledge Hub

Digital Classrooms
Learn, track, and grow all in one
modern LMS platform.

Customized for
Seamless communication,
smarter learning.

One Mindset
From **Hard Coders** to **Non-Coders** We **Nurture** All

Low Code   **Hard Code**   **No Code**

Academia–Industry Fusion

FROM CODE TO CAREER
WEB DEVELOPMENT JOURNEYS THAT INSPIRE

ABHISHEK SHARMA
Head of Engineering
@ Yellowstack & Fordel Studios

BINOD MAINALI
Engineering Manager at
Truecaller

SATARUPA
Head of Delivery – Fordel Studios
Development LLP, Hindustan
CocaCola Beverage Pvt Ltd,
Concentrix Pvt. Ltd,
Aditya Birla Group

13TH FEBRUARY
1:30 PM ONWARDS

VENUE : SEMINAR HALL 1,
INSPIRIA KNOWLEDGE CAMPUS

3 Day Workshop
by Appseconnect

Day1: Usage of APIs in Business Applications: REST, GraphQL
Day2: Business Process Management through Applications
Day3: Importance of Channel Network

02/12/2024 - 06/12/2024   Starting At 3:00pm

ACHNET
Portal Demonstration

Demonstrator:
Dr. Surendra Nadig

09 DECEMBER, 2024
03:00PM ONWARDS

Seminar Hall-1
Inspiria Knowledge Campus

www.inspiria.edu.in

Industry Mentors
Support that Strengthens Beyond Studies

Atul Gupta
CEO, APPSeCONNECT

Abhishek Gupta
Founder, Codebuddy

Santosh Panda
CEO, Explore

Vinay Pagaria
CTO, Stockedge

Abhishek Rungta
Founder, INT Global

Srish Agarwal
Founder,
A1 Future Technologies

Mrityunjay Kumar
Asso. Prof.

Kashi K S
Chief AI Officer at
Alfahive Inc

Swagata Chakraborty
Designer, APPSeCONNECT

Rakesh Mondal
AI-First SaaS UX/UI,
Enterprise Product Designer

Sri Harsha Mallepudi
Product Design @
CostGPT

Penchen Dorjee Tamang
AI Expert, Bushiso.one

Workplace-ready
Experiences

Hackathon & Coding challenges

Platforms like HackerRank, CodeChef, LeetCode, HackerEarth, & Codeforces help them build confidence and industry-ready projects.

Mock-X Campuso & Office simulation

Mock interviews and office simulations prepare students for real corporate environments. It builds confidence, communication, and professionalism.

Networking Opportunities

Mentorship and Industry guidance.

Soft-Skills Training

Soft-Skills Training equips students with communication, teamwork, and leadership abilities to thrive in professional environments.

Professional tools & Platforms

GitHub for collaboration, VS Code, Docker and Kubernetes for deployment, NumPy, Pandas, Matplotlib, R, Tableau, Power BI, Excel, MySQL, PostgreSQL etc. for DBA.

Innovation, Research & Entrepreneurship

We foster Innovation, Research, and Entrepreneurship to transform ideas into impactful solutions and future-ready ventures

Internships
Start in Year 3

Early Exposure

Experience real-world workflows and Industry practices

High Participation

100% of students intern within their third year.

Global Opportunities

Promoting the Global Integration of Skilled Students.

1:1 Mentorship

1:10 Mentor-to-Student Ratio Ensuring personalized guidance and support for Projects, Internship & Placement.

Innovation in Action:
Hackathons

Student Endeavours and Notable Accomplishments

Venturecraft- Eureka 2025 Zonal Round Winner

Tanmoy Saha-2023

Ayan Sunwar-2023

Algnite Hackathon 2025 Champions

Bhumi Ghosh-2024

Dristi Sarkar-2024

Active Toastmaster

Sneha Keshri-2024

Joy Kalundia -2025

Student Google Student Ambassador

Prithyarth Pradhan-2024

Alumni iTalk Session

Where Yesterday Inspires Tomorrow

iTALK ALUMNI VOICE
Session IV

Alumni Insights:

Stories of Success!

31 March 2025
2:00 p.m. | Seminar Hall 1

JOIN US

Lily Lepcha
Batch: BCA 2017
Senior SPS Associate L3
Amazon

iTALK ALUMNI VOICE

BEAUTY KHATOON
(BATCH 2016-2019)
► Country Coordinator at Life Project 4 Youth (LP4Y)

19ᵗʰ SEPTEMBER 2024 | 02:30AM

📍 Seminar Hall -2, Inspiria Knowledge Campus

iTALK ALUMNI VOICE

MANISH SHARMA
(BATCH 2019-2022)
► Founder & Director of The North East Journal

11ᵗʰ SEPTEMBER 2024 | 11:30AM

📍 Seminar Hall -2, Inspiria Knowledge Campus

Competency Outcomes

Domain I: Computational Foundations
Outcome 1.1: Software Development Proficiency
Outcome 1.2: System and Database Management
Outcome 1.3: Algorithm and Data Structures Mastery

Domain II: Data Science and Statistical Analysis
Outcome 2.1: Data Engineering and Preprocessing
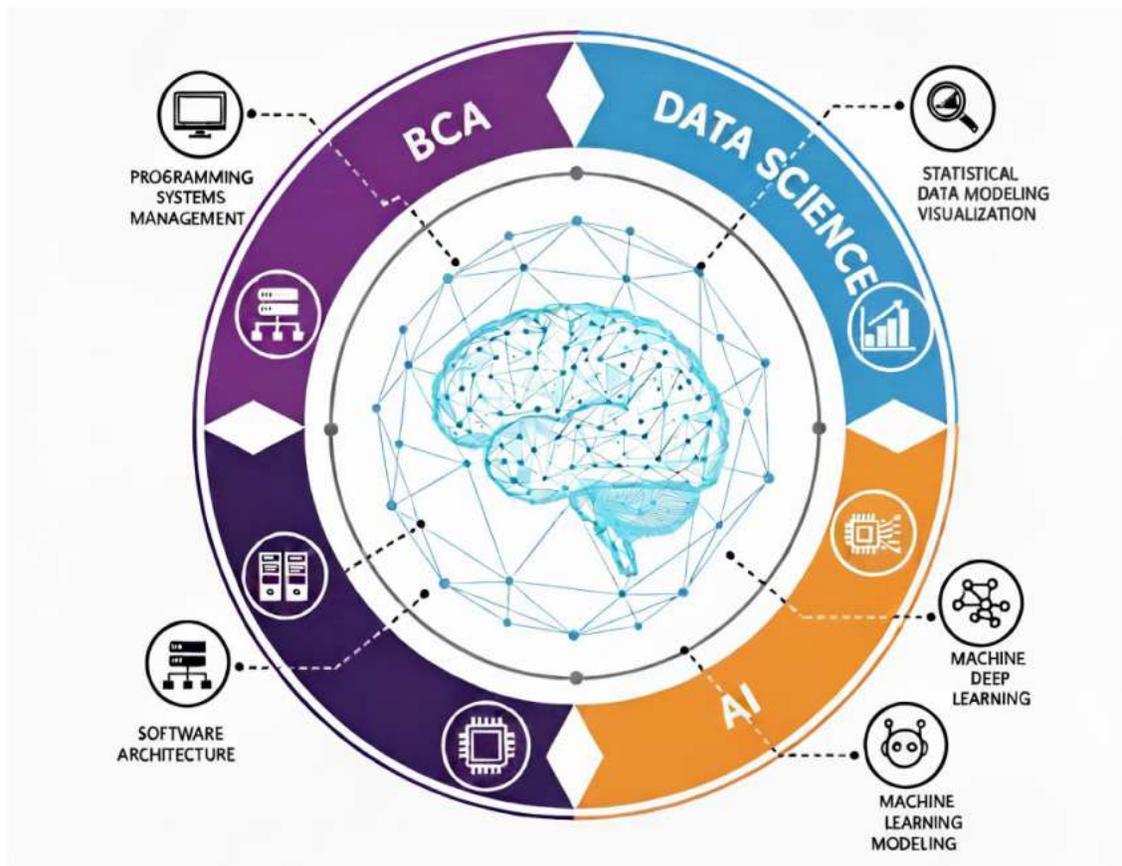Outcome 2.2: Inferential and Predictive Analytics
Outcome 2.3: Big Data Fundamentals

Domain III: Artificial Intelligence and Machine Learning
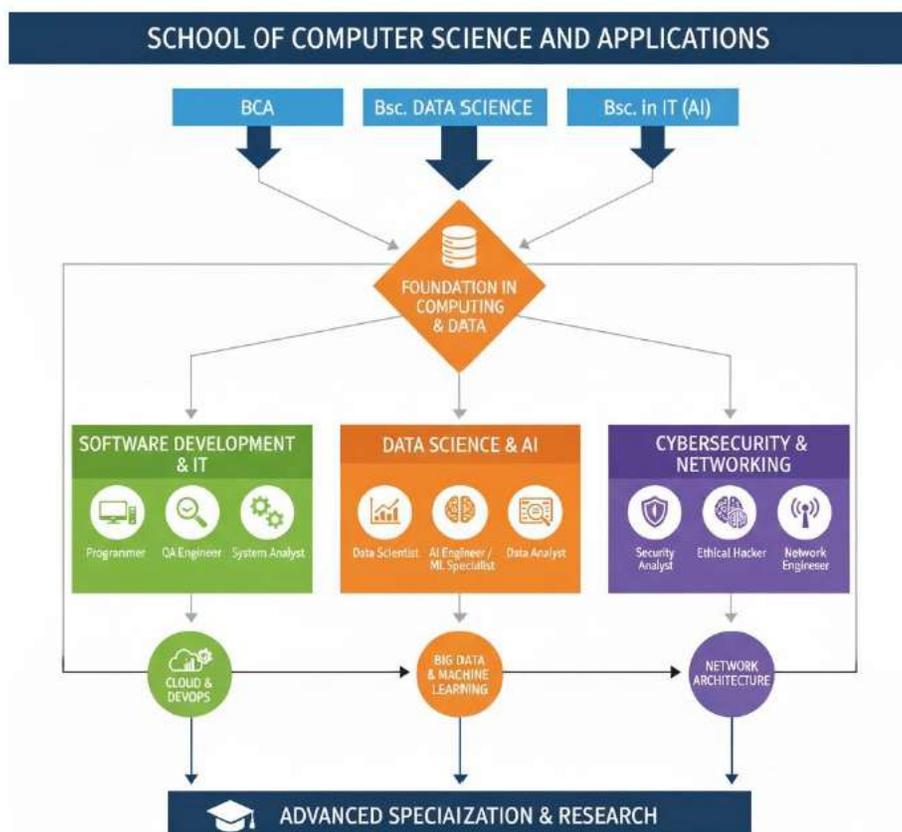Outcome 3.1: Machine Learning Model Development
Outcome 3.2: Deep Learning Implementation
Outcome 3.3: Model Deployment and Governance (MLOps)

Structured career routes available to students

Career Stream	Core Roles (Entry-Level)	Primary Skills to Master NOW	Ideal Course Link
Software Dev	Junior Programmer, QA Tester, Dev Trainee	Programming (Python/Java), Web (HTML/JS), SQL	BCA, BSc IT (AI)
Data & Analytics	Data Analyst, BI Trainee, Database Admin	SQL, Statistics, Python (Pandas), Data Viz (Tableau/PowerBI)	BSc Data Science, BCA
Cybersecurity	Security Analyst (Tier 1), Network Trainee	Networking (TCP/IP), Linux, Security Concepts	BCA, BSc IT (AI)
Advanced Tech	Cloud Intern, AI/ML Intern	Cloud (AWS/Azure), Advanced Math/Stats, ML Concepts	BSc IT (AI), BSc Data Science

SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

BCA · Bsc. DATA SCIENCE · Bsc. in IT (AI)

FOUNDATION IN COMPUTING & DATA

SOFTWARE DEVELOPMENT & IT
Programmer · QA Engineer · System Analyst

DATA SCIENCE & AI
Data Scientist · AI Engineer / ML Specialist · Data Analyst

CYBERSECURITY & NETWORKING
Security Analyst · Ethical Hacker · Network Engineer

CLOUD & DEVOPS · BIG DATA & MACHINE LEARNING · NETWORK ARCHITECTURE

ADVANCED SPECIAIZATION & RESEARCH

Placement

Bridging Education and Employment

INSPIRIA
KNOWLEDGE CAMPUS
Congratulations
Bachelor of Computer Application (2022-2025)

Raja Jha   Rohit Kumar Sharma

Deep Sarkar   Aditya Jaiswal

Placed at

QMX

INSPIRIA
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Bachelor of Computer Application (2022-2025)

Shayan Sarkar

Placed at

GOPALDHARA
TEA ESTATE
SINCE 1885

INSPIRIA
KNOWLEDGE CAMPUS
Congratulations
Bachelor of Computer Application (2022-2025)

Varij Nayan Mishra

Selected as Intern at

Blue Minch

INSPIRIA
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Congratulations
Bachelor of Computer Application (2022-2025)

Sandesh Shreshtha

Placed at

Fördel Studios

Placement

Bridging Education and Employment

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Congratulations

Bachelor of Computer Application (2021-2024)

Neha Sharma

Placed at

APPS CONNECT

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Congratulations

Bachelor of Computer Application (2020-2023)

Yuvraj Bhitrikoti   **Srinjoy Sen**

Placed at

amazon

www.inspiria.edu.in

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Bachelor of Computer Application (2021-2024)

Akash Gupta

Placed at

tcs TATA CONSULTANCY SERVICES

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Congratulations

Bachelor of Computer Application (2021-2024)

Ronit Debnath

Placed at

MOUNT HOTELS

www.inspiria.edu.in

Placement

Bridging Education and Employment

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Congratulations

Bachelor of Computer Application (2021-2024)

Swarnajyoti Dhar

Placed at

www.inspiria.edu.in

INSPIRIA
KNOWLEDGE CAMPUS

Congratulations

Bachelor of Computer Application (2020-2023)

Rishika Thapa

Intern at

Flipkart · SCGA ACADEMY

www.inspiria.edu.in

INSPIRIA
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Congratulations

Bachelor of Computer Application (2021-2024)

Tanmay Das

Placed at

FixFin

www.inspiria.edu.in

Meet the faculty

Faculty Perspectives That Turn Theory into Reality

Subhro Sarkar

Neha Thapa

Tanmoy Ghosh

Nandan Das

Pritam Taldhi

Aritra Dey

Lead the Future

Building the Next Generation of Innovators:
Software Developers, Data Scientists, Cybersecurity Professionals,
AI/ML Engineers, Web & App Developers,
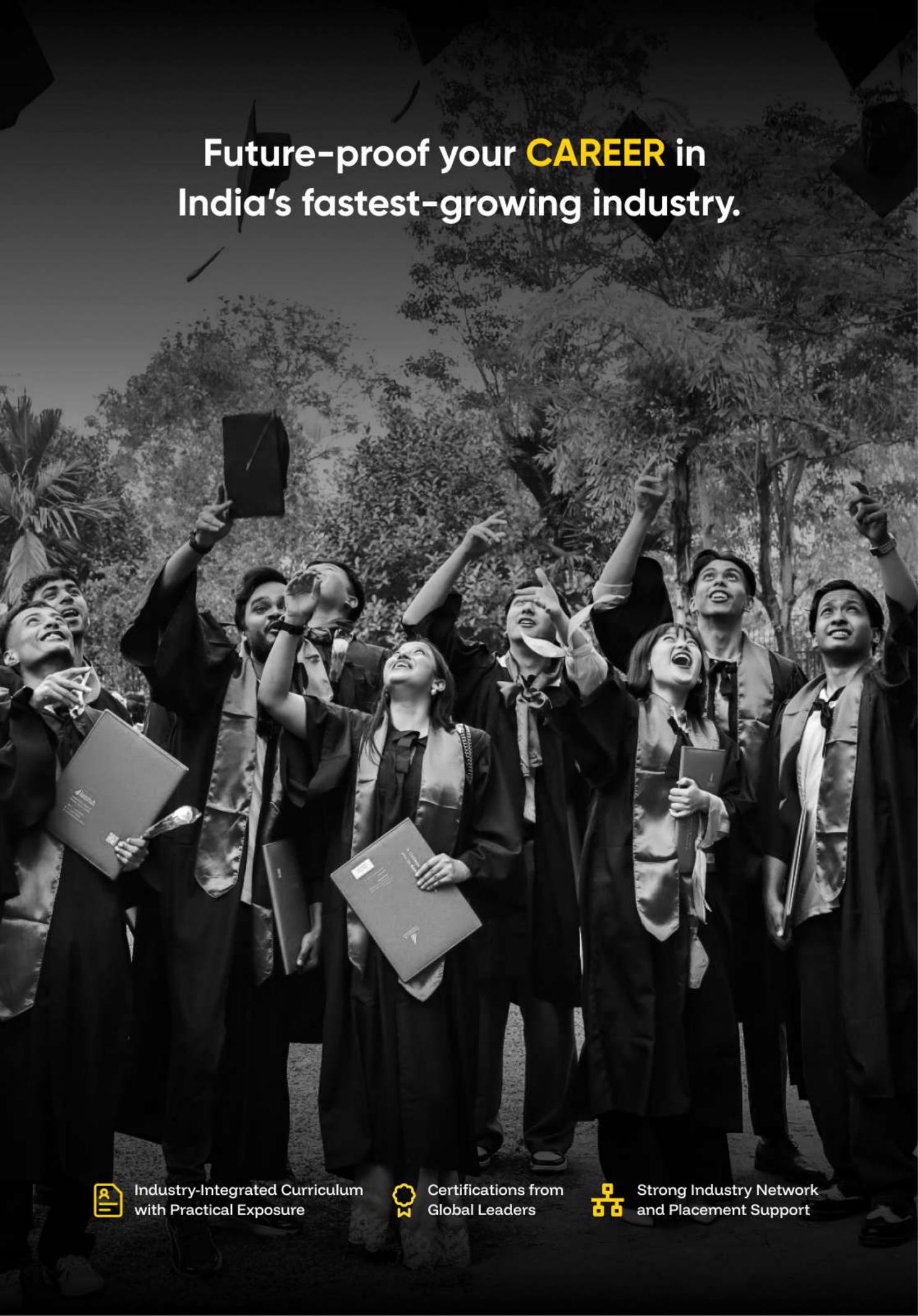Business Intelligence Experts, and AI-driven Product Leaders.

INSPIRIA
KNOWLEDGE CAMPUS

Inspiring future generations!

Learn, innovate, and create solutions that shape the
future—because your journey as a tech leader starts here.

Future-proof your CAREER in India's fastest-growing industry.

Industry-Integrated Curriculum with Practical Exposure

Certifications from Global Leaders

Strong Industry Network and Placement Support

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