ATLAS SKILLTECH UNIVERSITY

uGDX
School of Technology

B.TECH

in IT, Artificial Intelligence & Cyber Security (IT, AI&CS)

4-year Unndergraduate Program

atlasuniversity.edu.in

Welcome to ATLAS

A campus beyond the ordinary!
Located in the heart of Mumbai, one of the world's top ten centers of commerce, ATLAS SkillTech University is an urban campus, a crucible of ideas, a melting pot of diverse perspectives and a launchpad for tomorrow's leaders reimagining education in the financial, commercial and entertainment capital of India.

Think of our university as an atlas, a navigator for India's youth, and a beacon of knowledge and inspiration that guides you towards your destination. We believe education is not just about absorbing information, but about forging your path, exploring new frontiers, and shaping your future. So, come join us at our university, where you can be part of a vibrant community that inspires you to reach new heights and achieve your dreams!

FROM THE PRESIDENT

DR INDU SHAHANI
Sheriff of Mumbai (2008-09)
Member, University Grants Commission (2011-14)
Principal, H.R. College of Commerce & Economics, Mumbai (2000-16)

" It is an exciting new world. A world full of excitement and innovation. A world full of new ideas. Where possibilities are limitless and success is at hand for the brave. As students reach forward into this future with both hands outstretched to grab success, it is our duty to nurture their minds and spirits. ATLAS SkillTech University will be one of the cornerstones of this philosophy.

We shall foster a spirit of innovation and impart skill sets that help our students in the new world. Our modern pedagogy and information dissemination methodologies allow us to create entrepreneurial leaders who have the sensibilities of the West while being driven by the enthusiasm of the East. This confluence of cultures will help our students push-start the entrepreneurial revolution in India which will create jobs and provide the backbone to India's race to super-powerdom. Powered by the vision of our youth."

ATLAS ADVISORY BOARD

DEEPAK PAREKH
Former Chairman HDFC

KESHAV MURUGESH
Group CEO

KARAN SINGH
Managing Director

ANANT GOENKA
Managing Director

RAM RAGHAVAN
President,
Enterprise Oral Care

JAMIL KHATRI
Co-Founder & CEO

AVANI DAVDA
Strategic Advisor

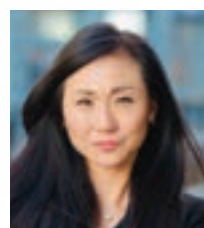**ARYAMAN BIRLA**
Founder

RUSS WINER
Professor of Marketing

TIM MARSHALL
Deputy
Vice-Chancellor

SANJAY GURBUXANI
VP, IBS AMEA &
Global Digital
Innovation

CAROL KIM
Vice President,
Global Recruitment,
Admissions &
Financial Aid

VIVEK PANDIT
Senior Partner,

ANITA DONGRE
Chief Creative
Officer

RONNIE SCREWVALA
Chairperson &
Co-Founder

DR. INDU SHAHANI
Founding President
& Chancellor

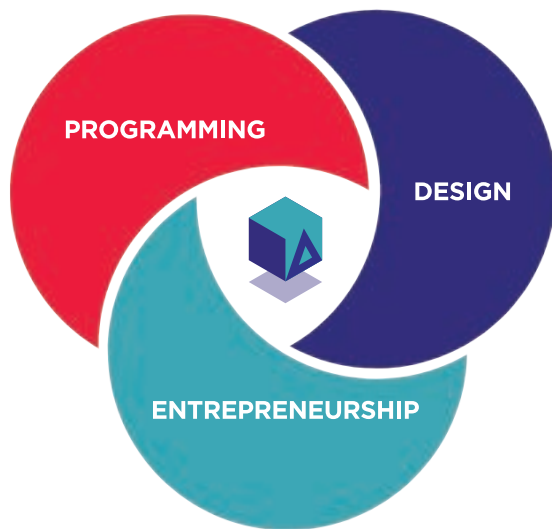**MAYANK KUMAR**
Co-Founder &
Managing Director

SIDDHARTH SHAHANI
Co-Founder &
Executive President

Study B.Tech at ATLAS | uGDX

The place where global tech leaders of the future are born

The ATLAS | uGDX School of Technology is the youngest member of the ATLAS family, collaborating with the Schools of Design and Management & Entrepreneurship. Built on a tech-enabled ecosystem, it nurtures future-ready professionals in digital technology while fostering global leadership. The B.Tech curriculum evolves with cutting-edge advancements in science and technology, with a strong focus on Computer Science, Artificial Intelligence, Machine Learning, and Robotics—preparing students for the future of work.

PROGRAMMING

DESIGN

ENTREPRENEURSHIP

Secure digital futures using AI & next-gen cybersecurity.

Build intelligent systems that defend, detect & disrupt.

Lead the frontline of cyber innovation in a connected world.

B.Tech in IT, AI & Cybersecurity at ATLAS uGDX

The B.Tech in IT, AI & Cybersecurity at ATLAS uGDX equips students to lead in an era where digital security is foundational to innovation, governance, and global resilience. This future-forward program integrates core computing, AI & cybersecurity to prepare students for complex challenges across connected ecosystems. With a strong base in programming, algorithms, cloud computing, and databases, students also gain deep expertise in ethical hacking, cryptography, threat modelling, digital forensics & secure software development. AI modules cover intelligent automation, natural language processing & neural networks-while cybersecurity components focus on intrusion detection, cyber law & quantum-resilient systems. Hands-on labs, simulation tools & real-world projects using industry platforms like Metasploit & Wireshark ensure practical readiness. As AI transforms cybersecurity from reactive to predictive & adversaries adopt AI to launch sophisticated threats-students are trained to build autonomous, secure digital infrastructures with a strong grounding in ethics, privacy & responsible AI. Aligned with emerging domains like smart cities, autonomous systems, and cyber warfare, the curriculum ensures graduates are not only job-ready but future-ready.

NASA HERC: Global Arena for the E

30 Years Of Historical Legacy

200+ Teams applied this year

16+ Countries are represented

10+ Awards

The ATLAS B.Tech Experience

MULTIDISCIPLINARY
TECH EDUCATION

Learn not only AI & Robotics, but also a host of electives across the Design and Management schools and specialisations. Put the skills you learn to practical use through a unique semester-long internship.

NEP 2020
INTEGRATED

The program is built on the interdisciplinary aspect of NEP 2020 there by students can learn through, discovery, inquisitive and exploratory based learning processes.

MASTER CLASSES
BY INDUSTRY LEADERS

Learn from the best professors renowned globally for their technology expertise. Masterclasses and industry sessions conducted by CTOs and CIOs of large companies.

EXPERIENTIAL &
HANDS-ON LEARNING

We believe in learning by doing. Work on live projects and cases to put your learnings in the classroom to practice in the real world.

CURRICULUM
CO-CREATED WITH INDUSTRY

The B.Tech curriculum is co-created with industry stalwarts and leading CTOs, to ensure the skills you learn inside the classroom never become rusty.

ENTREPRENEURSHIP
HUB

The ATLAS Venture Labs supports you through mentorship, training and capital to launch your technology startup from your classroom.

URBAN CAMPUS
EXPERIENCE

State-of-the-art infrastructure with modern classroom, high technology machines and creative labs to create an environment for you to thrive.

CAREER
SERVICES

150+ partners for recruitment and internship. Get mentored by our Career Services team to crack your dream tech job.

ACADEMIC CURRICULUM

YEAR 1

SEMESTER 1

- Introduction to Computer Science & Programming 1
- Calculus 1
- Foundations of Statistics and Probability for AI & ML
- Databases and SQL
- Chemistry
- Data Science for AI , ML, Robotics. CT
- Communication Skills for Digital World
- ATLAS Electives
- Simulation/Computer Game Design (Pinnacle I)

SEMESTER 2

- Introduction to Computer Science & Programming 2
- Mathematics for Computer Science
- Calculus 2
- Physics
- Statistical Modeling
- Indian Health Sciences
- Expository Writing
- ATLAS Electives
- Data Analyst Project (PinPinnacnacle II)

YEAR 2

SEMESTER 3

- Machine Learning Foundations (Pinnacle)
- Computer Organization and Architecture
- Linear Algebra
- Data Structures and Algorithms
- Foundation of Cybersecurity
- Model Thinking
- ATLAS Electives
- Foundational Literature of Indian Civilization
- Machine Learning: Astrophysics, Particles, Drug Design (Pinnacle III)

SEMESTER 4

- Advanced Machine Learning (Pinnacle as Laboratory)
- Ethical Testing and Penetration Testing
- Operating Systems and Networks
- AI for Cybersecurity
- Software Engineering Principles
- Cryptography
- ATLAS Electives
- Business Plan Writing
- An Enterprise Grade AI Application: Recommendation Engines for OTT Platforms (Pinnacle IV)

YEAR 3

SEMESTER 5

- Reinforcement Learning and NLP
- Computer Vision and Deep Learning
- Web Technologies and application Security
- Networks, Protocols and Security
- Cloud and Virtualization Security
- Entrepreneruship Development
- Cultural and Intellectual Heritage of English
- Enterprise Grade Connected Device Application: Self-Driving Cars (Pinnacle V)

SEMESTER 6

- Secure Coding (Pinnacle)
- Security for Database systems
- Cyber Forensics, Investigation and Incident Response
- AI and Cybersecurity
- Adversarial Machine Learning
- Language of Science and Technology (English)
- Introduction to Indian Mathematics & Astronomy
- Summer Internship

YEAR 4

SEMESTER 7

- Threat Intelligence & Modelling
- Core Elective 1
- Core Elective 2
- Core Elective 3
- Secure Operating Systems
- Constitution of India (Audit Course)
- Research Methodology
- Intrusion Detection and Secure Systems

SEMESTER 8: PROJECT /INTERNSHIP

- Internship and Project and Dissertation (Product Based)
- Cyber Laws & Ethics (MOOC)
- Data Privacy, Security and Protection (MOOC)

Elective Group 1-System Security	Elective Group 2-Secure Software Development	Elective Group 3-Cyber Warfare
Embedded Systems and IoT Security	Malware Analysis & Reverse Engineering	Blockchain Security & Smart Contract Auditing
Cyber Physical System Security	Firmware Security	Digital Sovereignty and Cyber Diplomacy
Security in Autonomous Systems & Robotics	Firewall Design for AI Systems	Cyber Warfare, Espionage & National Security
Mobile and Wireless Systems Security	Secure Software Development Lifecycle (SSDLC)	Cognitive Security Systems

MULTIDISCIPLINARY LEARNING

Choose from 40+ subjects and pursue an
ATLAS Electives every semester

Design-led subjects

1. Skip the line with Design
2. A Symphony of Genres: Blending Influences in Western Popular Music
3. Basic Sign Language
4. Material & Fabric - Textile Routes
5. Time & Action - The Art of Perseverance
6. Canvas Painting - Flourish Your Imagination
7. Prototyping - Hands on Minds on!
8. Art of Photography
9. Joy of Emotions : The art & science of emotional intelligence
10. Paint Box
11. Interactive Fiction with Roleplay & Worldbuilding
12. Nautanki Shaala - The Story, The Stage, & the Act
13. Yoga for conscious living
14. Craft: The Future of Fashion?
15. Anthropometry: Futuristic Space Designs & Solutions
16. Swadharm - Leading your life with Authenticity
17. Fashion & films: Exploring the Symbiotic Relationship between Style & Cinema
18. Blogging Unleashed: Ignite Your Online Presence & Amplify Your Voice

Business-led subjects

1. Corporate Hustle – Practice what you Preach
2. Money in Motion - The Art & Science of Banking
3. Innovative Thinking: Learning from Ancient Indian Mythological Tales
4. Wisdom for Strategic Leadership: Lessons from Indian Verses
5. Empathetic Leadership: Strategies for Effective People Management
6. Colour Psychology: Understanding the mind of Reds & Blues & more
7. The Business of Esports: Monetizing Your Gaming Passion
8. Ace Your Communication - Key To Success
9. "You" the brand : Design your identity
10. Mandarin - Level 1
11. Cross Cultrual Psychology
12. German - Hallo Deutschland - Level 1
13. Behaviour Science in action
14. Managing Change using Dance and Movements
15. The Finance Lab - Money Literacy And More
16. Trading on stock markets - Bear, Bull, and Stag - Level 1
17. Spanish - Hola España - Level 1
18. French it Up: Bonjour La Ville Lumièr - Level 1

Tech-led subjects

1. Robotics - Robot Rock!
2. Future Forward with AI
3. CodeQuest : Embark on an Exciting Journey into the World of coding
4. Create the Unimaginable: Art of 3D Modelling and Animation - Level 1

Career Outcomes
Leading the Next Era of Secure Innovation

This program prepares you to drive change at the intersection of AI and cybersecurity—across industries, sectors, and emerging technologies.

Sectors You Can Enter

1 Cybersecurity & InfoSec

2 AI-Driven Threat Intelligence

3 Cloud & DevSecOps

4 Digital Forensics & Cyber Law

5 Government, Defense & Public Infrastructure

6 FinTech & Secure Digital Payments

7 Smart Cities & IoT

8 HealthTech & Medical Data Security

9 Telecom & Critical Infrastructure

10 Tech Startups & Cyber Product Innovation

CAREER PATHWAYS

Graduates are equipped to take on mission-critical roles in both high-tech enterprises and public sector defense.

Cybersecurity Analyst	Ethical Hacker / Penetration Tester	AI Security Engineer
Cyber Forensics & Incident Response Expert	Threat Intelligence Specialist	Adversarial ML Researcher
Cloud Security Architect	Malware Analyst	Secure Software Developer
Cryptographer	Zero-Trust Security Architect	Red Team/Blue Team Specialist
Data Privacy & Compliance Officer	Cybersecurity Consultant /Policy Advisor	

ATLAS FACULTY & STUDENT RESEARCH ACHIEVEMENTS

220
Faculty Publications in UGC Care/Scopus Indexed/WoS Journals

404
Book Chapters Published

50
Books Published

30
Patents Filed

7.892
Highest Impact Factor for UGC Care (Care 1 Listed Publication)

1000
Publication Drafts Submitted by ATLAS Faculty

1100
Publication Drafts Submitted by ATLAS Students

150
Student Publications (Book Chapters)

2
Copyrights

5
Conference Proceedings as ISBN

3.6
Highest Impact Factor for Scopus Indexed Publications

*Research output across ATLAS ISDI | ATLAS ISME | ATLAS uGDX

STUDENT LIFE & BEYOND

Life at ATLAS SkillTech University is best captured in the word *mosaic*. With a swirl of multiple cultures, more than a dozen clubs and societies, state-of-the-art infrastructure including sports and fitness centres, cafes, fairs, events, and festivals, p ick up the skills essential for future success and carry experiences that will inspire you to make a difference in the world. Come build lifelong connections, find your calling, take a step to live your dreams and be a changemaker.

Festival celebrations

School Festival

Dr. Siamak Zadeh From Golden Gate University (US)

Student Council

Extra-curriculars

Samrat Paul From Zepto

Saurabh Shahane From The Machine Learning Company

Along with a vibrant student life, students experience various entrepreneurial events throughout the year. Through collaborations with startups, government and large MNCs, our school supports student projects, fosters inclusivity, and promotes home-grown entrepreneurship aligned with the Make in India campaign. Our on-campus initiatives, such as the Centre for Innovation, Incubation, and Entrepreneurship (CIIE), ATLAS Shark Tank, and Uncode Series provide aspiring tech enthusiasts experience of how they can contribute to future developments and embark on their transformational journey.

One of the key benefits of industry-integrated, global learning is its impact on employability. Graduates with this type of education are highly sought after by employers due to their practical experience, global perspective, and readiness to adapt to the demands of a dynamic job market. These students are better equipped to tackle complex challenges, drive innovation, and make socially responsible decisions, making them valuable assets to organizations operating in a globalized world.

The program aims to nurture lifelong learners who are open to continuous growth and self-improvement. It instills a curiosity to explore diverse perspectives, develop innovative solutions, and contribute positively to society at both local and global levels.

GLOBAL LEARNING AT HOME

A week-long global learning and knowledge exchange across 26 transdisciplinary tracks across Design, Management, Technology and Entrepreneurship

Bringing global transdisciplinary learning home to our students, in the vivid city of Mumbai, the week prepares individuals to gain pragmatic knowledge from academic and industry leaders from around the world. The exchange aims to bridge the gap between academics and real-life learning and prepare the students to be leaders of tomorrow in a globally inclusive world.

350+ HOURS	25+ SPEAKERS	04 TRACKS	175+ SESSIONS

GLOBAL IMMERSIONS

Explore Multicultural Work Cultures

Learn Global Business Practices

Experience Cross Cultural Communications

With global associations across continents, our students are have the opportunity to access global learning through immersions and student exchange. They develop a global mindset enabling them to be empathetic and informed leaders and holistic thinkers. Students have travelled to booming urban cities such as London, Paris and New York to understand and experience what their future may look like.

THE FUTURE IS YOURS

DEDICATED MENTOR POOL | **ATLAS STARTUP INCUBATOR**

SKILLTECH VENTURE FUND | **THE SCHOOL OF STARTING UP**

VENTURE LABS

Your first step towards becoming an entrepreneur

Equipping aspring entrepreneurs with resources, mentorship, and funding to fuel startup growth, empowering future disruptors and leaders. The aim is to encourage students to develop entrepreneurial skills and consider entrepreneurship as a career choice, providing essential tools for success to drive positive change for a prosperous, sustainable world.

IMMERSE YOURSELF IN VALUABLE INDUSTRY KNOWLEDGE WITHIN YOUR CLASSROOM, GUIDED BY EXPERT PROFESSIONALS.

Peyush Bansal, CEO, Lenskart
Ronnie Screwala,Chairperson & Co-Founder, upGrad

Avani Davda
Strategic Advisor
Bain Advisory Network

Mukul Deoras,
President (Asia Pacific),
Colgate-Palmolive (India) Ltd.

Mayank Kumar,
Co-Founder, upGrad

Sunita Wazir,
Senior Manager, Global Wellbeing, Hindustan Unilever Ltd.

MASTERCLASSES

Your educational journey at ATLAS is filled with opportunities to excel and prepare for your future careers. One of the most effective ways to enhance your learning experience is by actively seeking knowledge from industry experts. These seasoned professionals and industry leaders bring a wealth of practical knowledge and firsthand experience right into your classroom, providing invaluable resource for your academic and professional development. Through various channels, masterclasses, event and University initiatives, you have the chance to engage with industry experts and grow your network even before you graduate!

Deepak Parekh,
Former Chairman, HDFC

GROW YOUR NETWORK
PREPARE FOR A GLOBAL FUTURE

With global associations across continents, our students gain exposure to global immersions, student exchanges, masterclasses by renowned professors while they study at ATLAS in Mumbai. Developing a global mindset helps them to prepare and make informed decisions to pursue Masters' at top ranked universities and institutions globally. At ATLAS | uGDX, students will have opportunities to be able to transform ideas into thriving opportunities for themselves that contribute significantly to the national and global economy.

UNIVERSITY OF CAMBRIDGE

Imperial College London

NYU

LSE — THE LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

UCL

BABSON

UBC SAUDER SCHOOL OF BUSINESS

COLUMBIA UNIVERSITY

KING'S College LONDON

UNIVERSITY OF LEEDS

Henley Business School

UNIVERSITY OF WESTMINSTER

UNIVERSITY OF SAN FRANCISCO

HULT INTERNATIONAL BUSINESS SCHOOL

The University of Nottingham

BAYES BUSINESS SCHOOL CITY UNIVERSITY OF LONDON

WARWICK THE UNIVERSITY OF WARWICK

UNIVERSITY OF BATH

UTD THE UNIVERSITY OF TEXAS AT DALLAS

Est. 1841 YORK ST JOHN UNIVERSITY

Nottingham Trent University

Schulich School of Business York University

SciencesPo

ESCP BUSINESS SCHOOL

NORTHEASTERN UNIVERSITY

Aston University

GEORGE BROWN COLLEGE

UTS UNIVERSITY OF TECHNOLOGY, SYDNEY

UNIVERSITY OF EXETER

MANCHESTER 1824 The University of Manchester

AMERICAN UNIVERSITY WASHINGTON, DC

UNIVERSITÉ PARIS I PANTHÉON SORBONNE

Griffith UNIVERSITY Queensland, Australia

INTERNATIONAL UNIVERSITY OF MONACO

EXPERIENCE INDUSTRY EXPERTS IN YOUR CLASSROOM

OBSERVERSHIP

INTERNSHIP

PLACEMENT

We collaborate with a range of organizations, including startups and industry leaders like Google, Deloitte, TATA Group, and HSBC. These partnerships offer our students unique learning and working experiences. CXOs, CEOs, CMOs and thought leaders often use our classrooms to share their stories and learnings through masterclasses, curriculum advice, mentoring, and more. Our students are prepared to be industry-ready from day one - equipped with interdisciplinary skills for impactful careers that shape the global landscape.

Google | Apple | BCG | pwc | EY
VIACOM 18 | Infosys | BAIN & COMPANY | SAMSUNG | Deloitte.
Edelman | KPMG | Tech Mahindra | Morgan Stanley | [RBL]10
ICICI Bank | Mondelēz International | PHILIPS | LTI Let's Solve | tcs TATA CONSULTANCY SERVICES
HDFC BANK | JSW | Dr.Reddy's | INDIA TODAY GROUP | DSPR
VOLTAS·beko | Schbang. | CISCO | upGrad | HITACHI Inspire the Next

ADMISSION PROCESS

At ATLAS, we believe in spending time with each applicant before we make a selection. Therefore, we accommodate a limited number of students on a particular day at each venue.

Therefore our entrance exam is conducted on multiple dates and various locations.

Eligibility Criteria

➢ 50% marks in 10+2 or equivalent with a major in Physics, Mathematics and Chemistry/Electronics/Computers etc.

➢ A National/State Common Entrance (CET/JEE) Test score.

And/Or

➢ ATLAS uGDX entrance exam.

STEP 1

Fill The Online Application Form
on www.atlasuniversity.edu.in
& submit a Statement of Purpose

STEP 2

uGDX Challenge
Students will need to take an online aptitude test

STEP 3

Personal Interview
Shortlisted students will undergo a Personal Interview

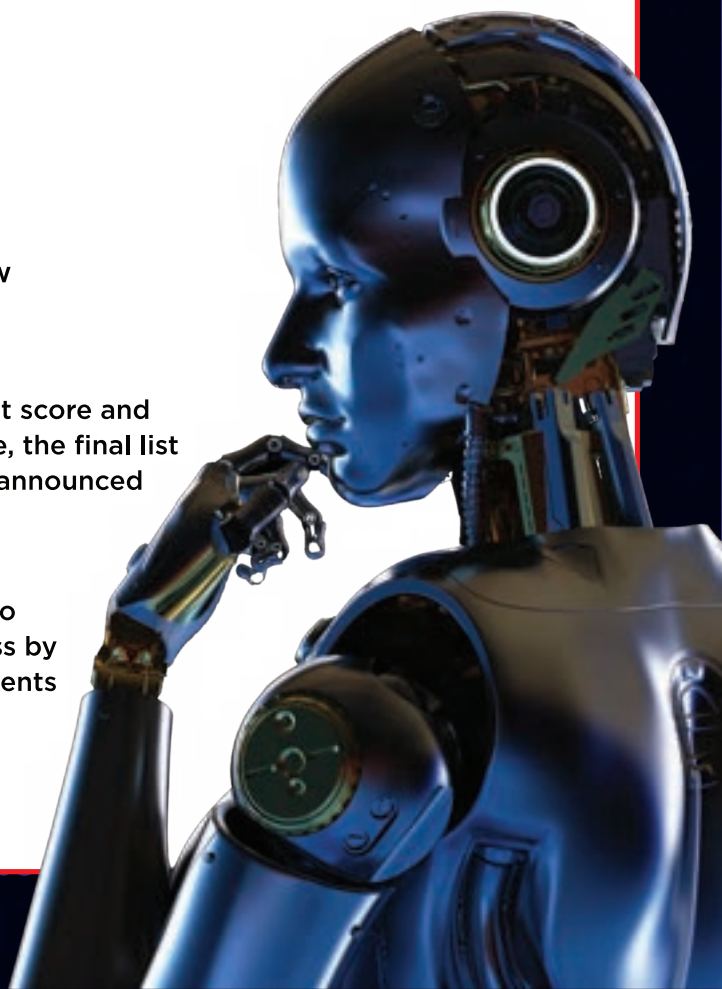**STEP 4**

Result Announcement
Based on the SOP, entrance test score and the personal interview outcome, the final list of shortlisted students will be announced

STEP 5

Enrolment
Shortlisted students will need to complete the enrolment process by submitting the required documents and paying the enrolment fees

LET'S TALK
SECURITY

To know more about the program
Contact Us:

📞 **+91 89768 70842**

✉ **btech@atlasuniversity.edu.in**

📍 **ATLAS SKILLTECH UNIVERSITY**
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Off Bandra-Kurla Complex (BKC),
LBS Marg, Kurla West, Mumbai – 400070

in **altasskilltechuniversity**   📷 **altasskilltechuniversity**

Scan to know more
about the course