ATLAS SKILLTECH UNIVERSITY

uGDX
School of Technology

INSPIRING THE INNOVATOR IN YOU

COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

BACHELOR OF TECHNOLOGY

B.TECH
in CS, AI and ML

FOUR-YEAR UNDERGRADUATE 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."
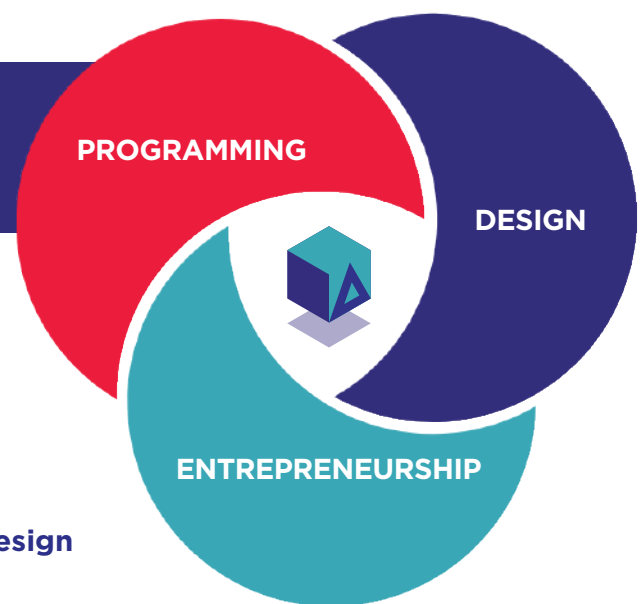
Study B.Tech at ATLAS | uGDX

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 School of Design and the School of Management and Entrepreneurship. Based on a new-age tech-enabled environment, the program nurtures and prepares professionals in digital technology along with laying the foundation of a global leadership.

The B.Tech program curriculum is designed keeping in mind the ever-evolving scientific and technological breakthroughs. The program focuses on Computer Science, Artifical Intelligence and Machine Learning, making students ready for the work and workforce of the future.

EXPERIENCE THE TECHNOLOGY TRINITY

PROGRAMMING

DESIGN

ENTREPRENEURSHIP

Learn to program advanced AI Algorithms

Develop competencies to build tech startups

Create compelling tech experiences through design

MAKING YOU FUTURE READY

INDUSTRY EXPERIENCE

HIGHER EDUCATION

ENTREPRENEURSHIP

The ATLAS B.Tech Experience

MULTIDISCIPLINARY
TECH EDUCATION

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

1150+ HOURS OF
PROGRAMMING AND TRAINING PROJECTS

It takes 1000+ hours of practice & training to write clean and scalable code. Our professors and mentors empower you to develop the ability to write high quality code.

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: BECOME A GAME DEVELOPER

1. Calculus 1
2. Foundations of Statistics and Probability for AI and ML
3. Mathematics for Computer Science
4. Databases and SQL
5. Expository Writing
6. Chemistry
7. Introduction to Computer Science and Programming 1
8. ATLAS Electives
9. Pinnacle 1

SEMESTER 2: BECOME A DATA ANALYST

1. Calculus 2
2. Statistical Modeling
3. Linear Algebra
4. Data Visualization and Business Intelligence
5. Introduction to Computer Science and Programming 2
6. Critical Thinking
7. ATLAS Electives
8. Pinnacle 2

YEAR 2

SEMESTER 3: BECOME A DATA SCIENTIST

1. Biology
2. Unstructured Data, NoSQL and Storage Techniques
3. Data Structures
4. Machine Learning: Methods and Algorithms
5. Physics
6. Data Engineering Operations
7. ATLAS Electives
8. Pinnacle 3

SEMESTER 4: BECOME AN ML ENGINEER

1. Large-Scale Data Storage
2. Introduction to Algorithms
3. Deep Learning and NLP
4. Computer Vision
5. Software Development Lifecycle, DevOps and MLOps
6. ATLAS Electives
7. Pinnacle 4

YEAR 3

SEMESTER 5: BECOME A DIGITAL TECHNOLOGY ENGINERER

1. Reinforcement Learning
2. Writing Business Plans, Technical Papers and Blogs
3. Digital Technologies, Smart Products and Services
4. Operations Research
5. Advanced Algorithms
6. Cloud Application Development
7. ATLAS Electives
8. Pinnacle 5

SEMESTER 6: INTERNSHIP

YEAR 4

SEMESTER 7: BECOME A CYBER SECURITY ENGINEER

1. UI/UX Development
2. Secure Coding
3. Networks and Network Security
4. Entrepreneurship Development
5. Recent Advances and Challenges in AI
6. Ethical Issues in Adopting AI
7. Final Year Design Project 1
8. Pinnacle 6

SEMESTER 8: GRADUATE

1. AI in Engineering
2. Cybersecurity and Blockchain
3. Intellectual Property and Innovation in AI
4. Ethical Hacking
5. Pinnacle 7

The curriculum may be subject to change based on the dynamic technology trends and learning needs of students.

We follow a 'GET' Philosophy: Goal for Each Term

TRANSFORMING YOU FROM A
TECH ENTHUSIAST
INTO A
TECHNOLOGY TRAILBLAZER

CAREER PATHWAYS

While the program will lay the foundation for your transformation into a global tech leader and innovator, there are many pathways to success that you can explore.

- Learn the skills and the tech stack that powers Artificial Intelligence
- Get mentored by world-renowned faculty on how to start your career in technology
- Build a technology startup from the Venture Labs Incubator
- Crack your dream job with leading global technology companies

Choose a future of your choice

- AI Scientist
- Data Scientist
- ML Engineer
- Business Intelligence Researcher
- AI Engineer
- Big Data Analyst
- AI Consultant

The program will give you the opportunity and flexibility to work across a broad range of industries and business functions

- Healthcare
- Social Impact
- Retail
- Manufacturing
- Supply Chain Management
- Banking and Finance
- E-Commerce
- Social Media Management
- Information Technology
- Consulting
- Research and Development
- Academia
- Agritech

Build Real World Apps for Industries

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

Student Council

Extra-curriculars

Dr. Siamak Zadeh From Golden Gate University (US)

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 OF	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.
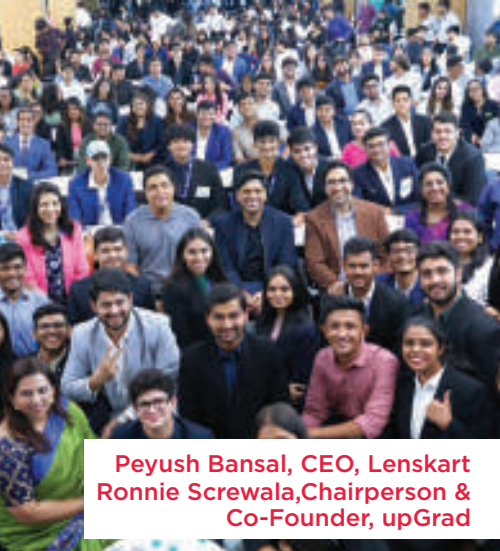
THE FUTURE IS YOURS

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.

Aryaman Birla,
Founder, Aditya Birla New Age

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

NTU Nottingham Trent University

Schulich School of Business York University

SciencesPo

ESCP BUSINESS SCHOOL

NORTHEASTERN UNIVERSITY

Aston University

GEORGE BROWN

UTS UNIVERSITY OF TECHNOLOGY, SYDNEY

UNIVERSITY OF EXETER

MANCHESTER 1824 The University of Manchester

AMERICAN UNIVERSITY WASHINGTON DC

UNIVERSITÉ PARIS 1 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

STEP 3

Personal Interview
Shortlisted students will undergo a Personal

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

To know more about the program, contact us:
+91 89768 70842 | btech@atlasuniversity.edu.in

Scan to know more about the course

ATLAS SKILLTECH UNIVERSITY

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