



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.”

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 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.

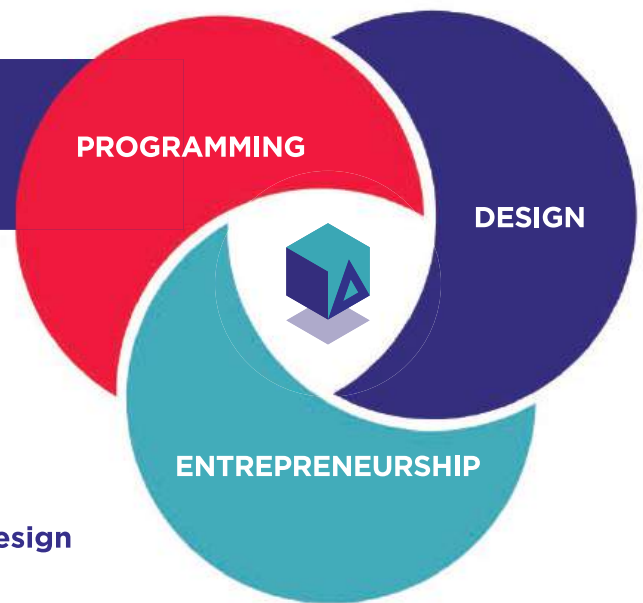
The B.Tech program curriculum is designed keeping in mind the ever-evolving scientific and technological breakthroughs. The program focuses on Computer Science, Artificial Intelligence and Machine Learning, making students ready for the work and workforce of the future.

EXPERIENCE THE TECHNOLOGY TRINITY

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 practical use through a unique semester-long internship.

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.

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.

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.

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.

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.

ENTREPRENEURSHIP HUB

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

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

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

SEMESTER 2: BECOME A DATA ANALYST

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

YEAR 2

SEMESTER 3: BECOME A DATA SCIENTIST

- Machine Learning Foundations (Pinnacle II)
- Computer Organization and Architecture
- Linear Algebra
- Data Structures
- Unstructured Data, NoSQL and Storage Techniques
- Model Thinking
- ATLAS Electives
- Foundational Literature of Indian Civilization
- Machine Learning: Astrophysics, Particles, Drug Design (Pinnacle III)

SEMESTER 4: BECOME AN ML ENGINEER

- Advanced Machine Learning (Pinnacle 4)
- Introduction to Algorithms
- Operating Systems and Networks
- Large-Scale Data Storage
- Software Development Lifecycle, DevOps and MLOps
- Data Engineering Operations
- ATLAS Electives
- Business Plan Writing
- An Enterprise Grade AI Application: Recommendation Engines for OTT Platforms (Pinnacle IV)

YEAR 3

SEMESTER 5: BECOME A DIGITAL TECHNOLOGY ENGINEER

- Reinforcement Learning and NLP
- Computer Vision and Deep Learning
- Advanced Algorithms
- Emerging Technologies (Pinnacle)
- Cloud Application Development
- Entrepreneurship Development
- Academic Research Writing (AEC)
- Enterprise Grade Connected Device Application: Self-Driving Cars (Pinnacle V)

SEMESTER 6: BECOME A CYBER SECURITY ENGINEER

- Secure Coding (Pinnacle VI)
- Project Life Cycle Management
- Numeric Optimization Techniques
- Recent Advances and Challenges in AI
- UI/UX Development
- Cybersecurity and Blockchain
- Digital Culture and Language (AEC)
- Build Your Own Encryption Software (Pinnacle VI)

YEAR 4

SEMESTER 7: BECOME A AI ENTREPRENEUR

- AI in Engineering
- Network Security
- Knowledge Graphs and Minor Project (Pinnacle VII)
- Prompt Engineering
- Agentic AI
- Ethical Hacking (VAC)
- Intellectual Property and Innovation in AI(AEC)
- Constitution of India (Audit Course)

SEMESTER 8: INTERNSHIP AND PROJECT

- Internship and Project and Dissertation (Product Based)
- subject 1 (Applied Accelerated Artificial Intelligence) IIT Pallakad NPTEL Course
- Core: Subject 2 (Design and Implementation of HCI) IIT Guwahati NPTEL

We follow a

‘GET’ Philosophy:

Goal for Each Term

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

MULTIDISCIPLINARY LEARNING

Choose Your Electives, Shape Your Future

Art of Photography	The Finance Lab	Business of E-Sports	German Language
Spanish – Hola Espa	Art of 3D Modelling & Animation	Craft – The Future of Fashion	The Art of Calligraphy
The Writer’s Odyssey	Managing Change Using Dance & Movements	Fashion and Films	Behavioural Science in Action
Visual Mastery	Future Forward with AI	Kaat Chap	Experimental Cinematics
Blogging Unleashed	Unleash Your Creativity: Designing is Fun	Interactive Typography	Design through Trends: Clue to Concept
Japanese – Get Set Nihongo	Generative AI Applications Toolbox	Innovative Thinking	Empathetic Leadership
Prototyping	Cosmic Insights: The Art of Astrology, Numerology & Vastu	Blockchain Fundamentals	Cinema of the World
Ace Your Communication	Power & Politics	Nautanki Shaala	Colour Psychology
Trading on Stock Markets	Integrated Storytelling for Digital Marketing	AI Narratives: Storytelling through 2D Art	Tai Chi – Meditation in Motion
Deep Tech – Frontiers of Innovation	Design Futures – 3D Modelling & Digital Making	The AI Genesis: Fundamentals of Smart Systems	Canvas Painting: Flourish Your Imagination
Mandarin: How to Ni Hao	Culture in Motion – Exploring Society through Media	Panchatantra Reimagined: Modern Impact	All the World’s Your Stage: Using Theatre in Life
Sanskrit Essentials – Key to Ancient Indian Wisdom	Film Foundry: Crafting Stories, Building Audiences		

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.

AI Scientist

Data Scientist

ML Engineer

Business Intelligence Researcher

AI Engineer

Big Data Analyst

AI Consultant

**Choose
a future
of your
choice**

- 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

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**



ATLAS FACULTY & STUDENT RESEARCH ACHIEVEMENTS

220

Faculty Publications in
UGC Care/Scopus
Indexed/WoS Journals

404

Book Chapters
Published

7.892

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

50

Books
Published

30

Patents
Filed

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

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, pick 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 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 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.





VENTURE LABS

Your first step towards becoming an entrepreneur

Equipping aspiring 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.

DEDICATED MENTOR POOL

ATLAS STARTUP INCUBATOR

SKILLTECH VENTURE FUND

THE SCHOOL OF STARTING UP



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

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



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.



Deepak Parekh,
Former Chairman, HDFC

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!

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



THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE



UBC SAUDER
SCHOOL OF BUSINESS



UNIVERSITY OF
WESTMINSTER



The University of
Nottingham

BAYES
BUSINESS SCHOOL
CITY UNIVERSITY OF LONDON



UNIVERSITY OF
BATH



Est.
1841

YORK
ST JOHN
UNIVERSITY



Nottingham Trent
University



Schulich
School of Business
York University

SciencesPo



ESCP
BUSINESS SCHOOL



Aston University



UNIVERSITY OF TECHNOLOGY, SYDNEY



UNIVERSITY OF
EXETER



The University of Manchester



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



BCG

pwc

EY

viacom 18

Infosys®

BAIN
& COMPANY

SAMSUNG

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

DSP

VOLTAS · beko

Schbang

CISCO

upGrad

HITACHI
Inspire the Next

IBM

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

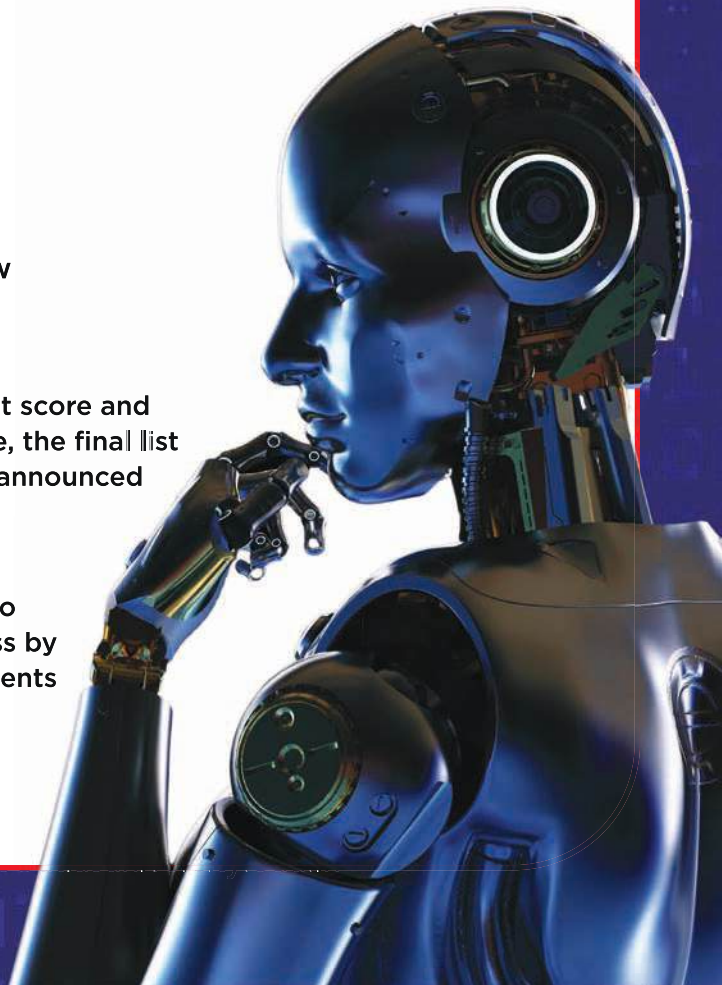
Based on the SOP, entrance test score and
the personal interview outcome, the final list
of shortlisted students will be announced

STEP 5



Enrolment

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





To know more about the program

Contact Us:



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btech@atlasuniversity.edu.in



ATLAS SKILLTECH UNIVERSITY

Tower 1, Equinox Business Park,
Off Bandra-Kurla Complex (BKC),
LBS Marg, Kurla West, Mumbai - 400070



Scan to know more
about the course



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