



B.TECH

in CS, Artificial Intelligence
& Data Science (CS, AI & DS)

4-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



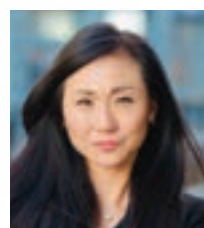
RUSS WINER
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VIVEK PANDIT
Senior Partner,



ANITA DONGRE
Chief Creative
Officer



RONNIE SCREWVALA
Chairperson &
Co-Founder



DR. INDU SHAHANI
Founding President
& Chancellor



MAYANK KUMAR
Co-Founder &
Managing Director



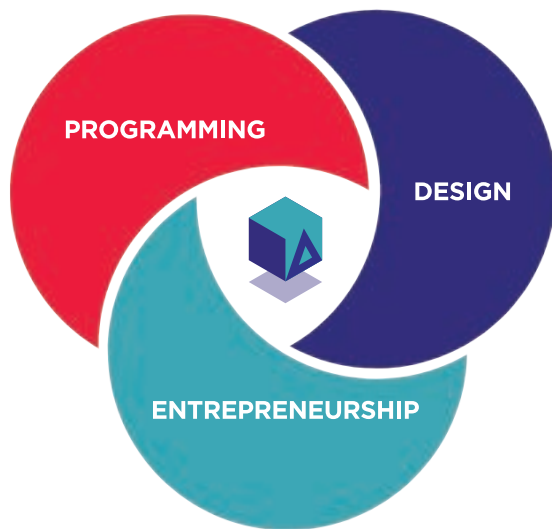
SIDDHARTH SHAHANI
Co-Founder &
Executive President



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.



Create scalable tech using ML, data science, and cloud tools.

Use data and design thinking to craft intuitive, ethical products.

Turn AI-led ideas into startups or lead digital transformation.

B.Tech CS, AI & Data Science at ATLAS uGDX

The B.Tech in CS, AI & Data Science at ATLAS uGDX is built for the next generation of tech innovators who want to lead in a data-driven world. At the intersection of computing, machine learning, and domain intelligence, the program empowers students to design intelligent systems that can learn, predict, and make decisions in real time. From core foundations in statistics, programming, and linear algebra to advanced tracks in deep learning, NLP, computer vision, and multi-modal data, students gain full-stack AI capabilities.

With hands-on experience in industry-grade tools like Python, TensorFlow, Hadoop, and Spark, and real-world exposure through hackathons, capstone projects, and internships, learners graduate with the skills to drive impact across smart cities, autonomous systems, fintech, healthtech, and beyond. Ethical AI, data governance, and human-AI collaboration are embedded throughout—ensuring graduates are not just tech-ready, but future-proof.





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.

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.

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.

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	SEMESTER 2
	<ul style="list-style-type: none">• Introduction to Computer Science & Programming 1• Calculus 1• Foundations of Statistics & 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)	<ul style="list-style-type: none">• 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	SEMESTER 4
	<ul style="list-style-type: none">• Machine Learning Foundations (Pinnacle)• Computer Organization and Architecture• Linear Algebra• Data Structures and Algorithms• Fundamentals of Data Science and Analytics• Model Thinking• ATLAS Electives• Foundational Literature of Indian Civilization• Machine Learning: Astrophysics, Particles, Drug Design (Pinnacle III)	<ul style="list-style-type: none">• Advanced Machine Learning (Pinnacle as Laboratory)• Database Design and Management• Operating Systems and Networks• Data Mining & Warehousing• Software Engineering Principles• Embedded System and IoT• ATLAS Electives• Business Plan Writing• An Enterprise Grade AI Application: Recommendation Engines for OTT Platforms (Pinnacle IV)
YEAR 3	SEMESTER 5	SEMESTER 6
	<ul style="list-style-type: none">• Reinforcement Learning and NLP• Computer Vision and Deep Learning• Image processing• Data Analytics and Visualization• Cloud Application Development• Entrepreneurship Development• Cultural and Intellectual Heritage of English• Enterprise Grade Connected Device Application: Self-Driving Cars (Pinnacle V)	<ul style="list-style-type: none">• Big Data Analytics• Secure Coding (Pinnacle)• Data Science for Generic AI• Time Series and Forecasting• Multi-Modal Learning (Text + Vision + Speech) Analysis• Language of Science and Technology (English)• Introduction to Indian Mathematics & Astronomy• Summer Internship
YEAR 4	SEMESTER 7	SEMESTER 8: PROJECT /INTERNSHIP
	<ul style="list-style-type: none">• Advanced Statistical Inference & Bayesian Analysis• Quantum Computing & Algorithms• Core Elective 1• Core Elective 2• Core Elective 3• Data Ethics, Fairness & Governance in AI Systems• Research Methodology• Constitution of India (Audit Course)	<ul style="list-style-type: none">• Internship and Project and Dissertation (Product Based)• Federated Learning and Distributed AI (MOOC)• Cognitive Systems and Human-AI Interaction (MOOC)

Elective Group 1-Health Care	Elective Group 2-Geospatial	Elective Group 3-FinTech
Bioinformatics & Health Data Science	Geospatial Data Science & Earth Observation	Financial Data Analytics & Risk Modeling
Predictive Modelling in Healthcare	Remote Sensing with Data Science	AI for Business Strategy & Decision Making
Wearable & Remote Health Monitoring Data (IoT)	Geospatial AI and Deep Learning	Predictive Analytics for Marketing & Sales

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. Swadharma - 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

CRAFTING THE NEXT GENERATION OF TECH PIONEERS

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

Sectors You Can Enter

1

Information
Technology (IT)

2

Artificial Intelligence
& Machine Learning

3

Data Analytics &
Business Intelligence

4

FinTech &
Financial Services

5

Healthcare &
Bioinformatics

6

E-commerce &
Consumer Technology

7

Smart Manufacturing
& Automation

8

Supply Chain
& Logistics

9

Government &
Policy Research

10

Startups & Tech
Entrepreneurship

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.

Data Scientist

**Machine Learning
Engineer**

AI Architect

Data Analyst

Data Engineer

**Business Intelligence
Developer**

Big Data Engineer

Quantitative Analyst

Data Research Scientist

**Cloud Application
Developer**

Marketing Data Analyst

Supply Chain Analyst

Policy Analyst

**Software Developer
(AI/ML focused)**



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



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

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.



Mayank Kumar,
Co-Founder, upGrad



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.



Imperial College
London





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

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

DSP

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

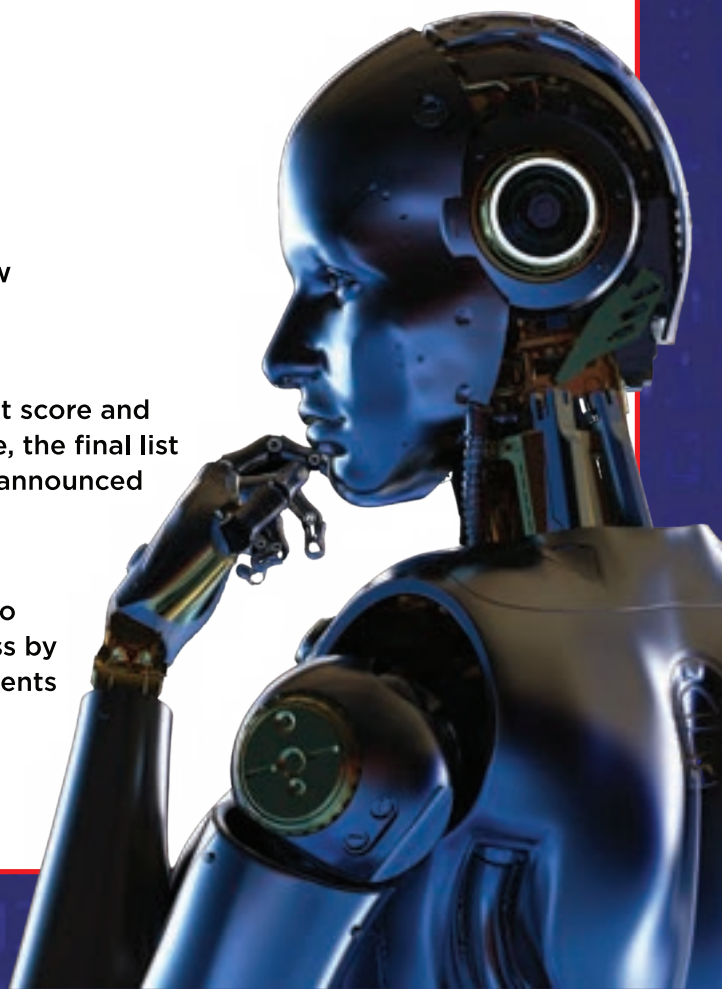
Based on the SOP, entrance test score and
the personal interview outcome, the final list
of shortlisted students will be announced

STEP 5



Enrolment

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



AI

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



Scan to know more
about the course



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