



**AMITY**  
UNIVERSITY  
ONLINE

**paytm**

**ONLINE  
PG PROGRAM**

# MASTER OF COMPUTER APPLICATION

WITH A SPECIALIZATION IN  
FINANCIAL TECHNOLOGY AND AI



**USA, UK & CANADA ACCREDITATIONS**



ज्ञान विज्ञान विमुक्तये



WORLD EDUCATION SERVICES

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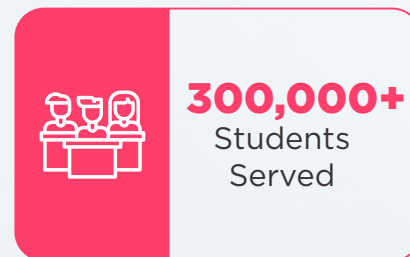
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# A LEADING GLOBAL EDUCATION GROUP

Amity Education Group is one of the largest education groups, established over thirty years ago, offering globally benchmarked education right from pre-school to Ph.D. level with over 400 UG and PG programs across various disciplines in education.



## NATIONAL CAMPUSES

- » NOIDA
- » GURUGRAM
- » GREATER NOIDA
- » JAIPUR
- » LUCKNOW
- » MUMBAI
- » BENGALURU
- » HYDERABAD
- » MOHALI
- » GWALIOR
- » RAIPUR
- » KOLKATA
- » RANCHI
- » PATNA

## INTERNATIONAL CAMPUSES

- » LONDON
- » DUBAI
- » SINGAPORE
- » SAN FRANCISCO
- » ABU DHABI
- » CHINA
- » MAURITIUS
- » SHARJAH
- » SOUTH AFRICA
- » AMSTERDAM
- » TASHKENT
- » NEW YORK



## MESSAGE FROM **FOUNDER PRESIDENT**

### **Dr. Ashok K. Chauhan**

Hon'ble Founder President,  
Ritnand Balved Education Foundation (The Foundation of Amity  
Institutions and the sponsoring body of Amity Universities)  
Chairman, AKC Group of Companies

Amity is not just a group of institutions which imparts world-class education, but an experience where everyone associated is part of a dream, a mission to see that we nurture truly great leaders.

Today, we are proud that Amity is synonymous with practical, industry focused education, and attracts the best students. The fact that our alumni are working in the best companies across the world is a testament to our extremely talented faculty who inculcate, by example, in each student the spirit of dedication, sincerity and loyalty, and to all the corporates who support our mission with so much enthusiasm.

Each one of our students will be a success story. This is my dream; this is my commitment.



## MESSAGE FROM **CHANCELLOR**

### **Dr. Atul Chauhan**

Hon'ble Chancellor,  
Amity University Noida

Amity Group of Institutions apart from imparting world-class education, also strives to inculcate good values, and ethics to build and groom the global leaders of tomorrow. We are creating centres of thought leadership across the world, where faculty, scientists, and brilliant students can explore and expand the frontiers of knowledge.

Amity is not just a group of institutions which imparts world-class education, but an experience where everyone associated is part of a dream, a mission to see that we nurture truly great leaders.

## ABOUT AMITY UNIVERSITY ONLINE

Amity University Online stands as a pioneering institution in the realm of digital education, breaking down barriers and providing access to millions worldwide.

Through our platform, we are democratising education, ensuring that regardless of geographical location or socio-economic background, individuals have the opportunity to pursue knowledge and skills vital for their personal and professional growth.

Our commitment to inclusivity and innovation drives us forward, as we continue to expand access to high quality education in the digital age.



**Amity University Online, today, offers the largest number of approved online degrees to the largest number of online students across India, reflecting Amity's commitment towards empowering our youth through world-class education, who in turn will ensure a Viksit Bharat.**



Years of Excellence



1.60 Lac+

Learners



60+

Programs and Specializations

## INDIA'S FIRST UNIVERSITY TO GET APPROVAL TO OFFER ONLINE DEGREES

Post the University Grants Commission (Online Courses or Programs) Regulations, 2018

60+ PROGRAMS AND SPECIALIZATIONS: Bachelors • Masters



MESSAGE FROM  
**CHAIRMAN**

**Mr. Ajit Chauhan**

Hon'ble Chairman,  
Amity University Online

In today's fast-paced and interconnected world, the pursuit of knowledge has never been more accessible. Amity is committed to providing you with a world-class education that transcends geographical boundaries. Whether you are a working professional seeking to advance your career, a dedicated lifelong learner, or someone taking your first steps into higher education, our digital platform is designed to accommodate your needs and aspirations.

As the landscape of education evolves, so do we. Our esteemed faculty, staff, and state-of-the-art technology are here to support your educational journey. From interactive online programs and courses to digital libraries and academic forums, you'll have access to a wealth of resources that will enhance your learning experience.

At Amity, we're not just preparing you for a career; we're empowering you to make a positive impact on this world. So, whether you're ready to take the next step in your career or explore new horizons, we invite you to join us at Amity University Online and embark on a journey of discovery and growth.



## MESSAGE FROM **VICE CHANCELLOR**

**Prof. Dr. Balvinder Shukla**

Amity University, Noida

Amity University Online epitomizes an unwavering pursuit of excellence, cutting-edge innovation, and transformative learning. Rooted in knowledge, research, and comprehensive education, your learning journey at Amity Online is tailored to transcend knowledge barriers and shape your destiny.

At Amity Online, we embrace a legacy of brilliance that empowers you with industry-centric skills, knowledge and expertise to achieve success confidently through lifelong learning and values.



## MESSAGE FROM **DIRECTOR**

**Prof. Abhinash Kumar**

Amity University Online

Amity University Online provides 'Anytime, Anywhere' educational experience, intensive corporate interaction, industry-oriented teaching delivered by eminent corporate experts and world-class faculty.

Designed to suit both graduate students and working professionals, our programs adhere to UGC's stringent criteria and we are at par with the campus programs.



## MESSAGE FROM **DIRECTOR-ACADEMICS**

**Ms. Monica Agarwal**

Amity University Online

Amity University Online is dedicated to redefining education through innovation and excellence. Our meticulously crafted programs cater to the dynamic needs of learners, equipping them with industry-relevant skills and an unwavering commitment to growth.

Our aim is to inspire curiosity, ignite potential, and deliver a learning experience that goes beyond the ordinary. Therefore we focus on academic excellence, innovation and holistic development which creates a pathway for success, achievement, and lifelong impact.

# ABOUT **PAYTM**

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Paytm is India's leading digital payments and financial services platform, trusted by millions of consumers and merchants for fast, secure, and convenient transactions. Founded in 2010 and owned by One97 Communications Limited, Paytm has been a pioneer in India's digital revolution, empowering people to pay, save, invest, and shop with ease.

From launching mobile recharges to becoming the go-to platform for UPI payments, wallets, bill payments, ticketing, investments, and merchant solutions, Paytm has continually introduced innovations designed around everyday needs. Guided by its vision to bring half a billion Indians into the mainstream economy, Paytm blends cutting-edge technology with deep consumer insight to create inclusive, reliable financial experiences.

Headquartered in Noida and present across India, Paytm is enabling individuals and businesses alike, driving convenience, financial empowerment, and a truly digital Bharat.





MESSAGE FROM

## **FOUNDER & CEO**

### **Mr. Vijay Shekhar Sharma**

Founder & CEO - Paytm

India is entering the intelligence revolution, where the power of AI will shape how we learn, work, and grow. This new era of intelligence will create opportunities for those who understand how technology can solve real problems and make life simpler.

As a homegrown fintech pioneer, we believe that intelligence is the next foundation of progress. Through our AI-first approach, we are creating technology that learns continuously, builds trust, and enhances efficiency for people and businesses alike.

Our collaboration with Amity Online reflects this belief. Together, we are offering programs in Fintech, Artificial Intelligence, Cybersecurity and more, designed to help students gain practical knowledge and prepare for the future of work.

For students, understanding AI is becoming essential as it is the new language of innovation. Those who learn how intelligence and technology work together will lead the transformation of our economy in the years ahead, driving growth built on self-reliance and innovation.

Each course combines the experience of those who have built India's mobile payment ecosystem with the curiosity and creativity that define great learning. It is designed to inspire builders, thinkers, and problem-solvers who will shape the next chapter of India's digital journey.

Through this vision, we continue to build intelligent systems that empower people, strengthen trust, and help India grow confidently in the age of intelligence. We look forward to seeing students learn, innovate, and create a future where India leads with knowledge, courage, and self-reliance.

## ABOUT PROGRAM

# MASTER OF COMPUTER APPLICATION

WITH A SPECIALIZATION IN **FINANCIAL TECHNOLOGY AND AI**

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**LEARNING EFFORTS:** 12/15 HRS A WEEK

**DURATION:** 2 YEARS | **CREDITS:** 103

## THRIVE IN A DIGITAL-FIRST ECONOMY WITH **AMITY ONLINE'S MCA IN FINANCIAL TECHNOLOGY AND AI**

Amity University Online's MCA with specialization in Financial Technology and AI, in collaboration with Paytm, is a two-year, future-ready master's program designed to create the next generation of FinTech architects and AI innovators who can lead transformation across global financial ecosystems. With its career-first approach, the program ensures every learner receives a guaranteed minimum of three interview opportunities with leading FinTech giants and corporates. Combined with industry mentorship from Paytm, this built-in advantage gives you a strong launchpad for success in the FinTech sector.

The program blends advanced computing, AI, data science, financial intelligence, and regulatory technology (RegTech) to prepare you for leadership roles in the digital economy. You'll gain hands-on experience with Python, blockchain, cloud computing, and digital payments, while applying your learning through sandbox simulations, case studies, and real-world projects that mirror live financial operations.

This program is built around both India's and the world's FinTech landscape, ensuring global career readiness. With capstone projects, GitHub-ready prototypes, and expert mentorship, you graduate equipped with the skills, exposure, and confidence to thrive in FinTech's fast-evolving world.

Upon completion, you'll emerge as a job-ready FinTech leader, ready to design intelligent financial systems and shape the digital economy.

# WHY CHOOSE MCA IN FINANCIAL TECHNOLOGY AND AI



## Master the Complete Fintech Tech Stack

Build advanced proficiency in AI, blockchain, APIs, cloud computing, and cybersecurity, technologies driving digital finance globally.



## Build Leadership With Capstone Projects

Work on 10+ capstone projects, peer-reviewed MVPs, and GitHub submissions, proving your ability to innovate and lead.



## Unlock Global Career Opportunities

Get a minimum of 3 interview opportunities with top firms and benefit from a dedicated placement support.



## Gain Industry Experience through Internship

Access a guaranteed virtual internship with Paytm (eligibility-based) and solve real business challenges.



## Lead with Mentorship and CXO Insights

Learn directly from industry leaders through CXO talks, keynote sessions, and strategic mentorship that build a leadership vision.



## Gain Hands-On Industry Exposure

Engage in sandbox simulations, smart contract deployment, and cloud DevOps demos, solving real financial technology challenges.

# PROGRAM CURRICULUM

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## SEMESTER 1

- Graph Theory and Combinatorics
- Core Java
- Advanced Database Management Systems
- Advanced Software Engineering Principles
- Professional communication

## SEMESTER 3

- Cloud Infrastructure and Services
- Unix /Linux Programming
- Seminar(Evaluation)
- Quantitative Aptitude
- Professional Ethics
- Cybersecurity, Cloud Computing and Big Data in Fintech
- WealthTech, RegTech and Fintech Innovation

## SEMESTER 2

- Cognitive Analytics and Social Skills for Professional
- Data Structures and Algorithm Design
- Network Security and Cryptography
- Research Methodology
- Programming Analytics and AI in Fintech
- Machine Learning Data Science and Blockchain Development

## SEMESTER 4

- Major Project

## ELIGIBILITY

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- 10th Class Certificate (Completing 10 years of formal schooling)
- 12th Class Certificate (Completing 12 years of formal schooling)
- Graduation completing Degree (3 Years or 4 Years Degree Program)

# OUR ACCREDITATIONS & RECOGNITIONS

## Endorsements of Academic Quality & Excellence



**ONLINE MBA  
RANKINGS  
2024**

**INDIA'S ONLY  
ONLINE MBA RANKED  
Asia Pacific Top 10**



First university in India to receive UGC approval for Online Degrees and Learning Platform



The Western Association of Schools and Colleges



Ranked 35 by National Institutional Ranking Framework



Accredited by the UK's Quality Assurance Agency, assuring students of globally benchmarked academic quality.



First Indian University to be accredited by National Council for Higher Education, Africa



WES accredited in Canada



India's first private university to be a member



Degree programs approved by All India Council of Technical Education



Ranked among Top 3% Globally



# AMITY UNIVERSITY **ONLINE ADVANTAGES**

## Top-Notch Online Learner Experience



### **Top International Faculty**

Lectures delivered by top international faculty offer captivating insights with a global perspective



### **AI-ProfessorAMI**

AI-PROF. - AMI, powered by Chat-GPT 4 & Open AI Tech for 24/7 Doubt Clearing & Support



### **Diverse learning mediums**

Diverse Learning options through recorded lectures, audio books, physical books, e-books & more



### **Industry-Aligned Curriculum**

Program curriculum aligned with industry demand for better employability



### **Interactive faculty sessions**

Engage in a dynamic learning environment with our continuous faculty interaction and dedicated doubt-clearing sessions



### **Career services & placement assistance**

Career services & placement assistance with hiring partners ensuring opportunities for professional growth



### **Remote proctored exams**

Take exams with ease, integrity and convenience from the comfort of your own space



### **Dedicated Academic Advisor**

Expert guidance by professionals who support you in your academic journey



### **1:1 industry mentorship**

Elevate your skills and career prospects with tailored insights, cultivating a pathway to professional success

# CAREER SERVICES

## PREPARING YOU TO BECOME JOB-READY

Amity University Online is committed to enhancing your employability by helping you become industry-ready. From skills assessments and resume-building workshops to mock interviews and placement drives, we provide a range of services to help you succeed. Our goal is to ensure that you are matched with the perfect job that aligns with your aspirations. AI-driven Career Services further accelerate your job-readiness with smart resume tools, realtime mock interviews, and curated job matches tailored to your profile.



## ON CAMPUS **EXPERIENCE**

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### EXTENSIVE INTERACTION WITH **FACULTY AND PEERS**

- Campus orientation for new learners in all the Amity University campuses
- Last-minute revision classes at select Amity University campuses
- Guest lecture series on the campuses
- Access to library and programming labs on the campus
- Exam preparation classes
- Access to campus events



## ALUMNI WORKING AT



## CORPORATE SPEAK

“ I am delighted to share my positive experience with Amity Online regarding the smooth and efficient conduct of our recent recruitment drive. As a part of CredFlow, I must commend the team at Amity Online for their professionalism, dedication, and innovative approach that made the entire process seamless and effective. ”

**LAKSHAY BHOLA**

Talent Acquisition Specialist, Bizcon Fintech Labs Pvt. Ltd

“ It was a great experience interacting with Amity Online students today. The quality of the students was impressive, and their skill set was at par with our expectations. What impressed us most was their ability to manage multiple responsibilities simultaneously. They are ambitious and will only push the bar higher in the coming times. ”

**ABHINAV SINGH**

Director, VMS India Mart

“ The hiring experience was nice as we got splendid support from the faculty to provide us with the talent pool. The career services team was of great assistance in providing us with all the requested details of the candidates and that too in the form that we wanted, which is very much appreciated as it made the process easy for us. ”

**SAKSHAM BHARDWAJ**

Senior Executive HR Operations, Republic World

# FAQs

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## **1. What is the duration and format of the MCA with specialization in Financial Technology and AI program?**

The program runs for 2 years (4 semesters) in a hybrid format with 374 learning hours. It offers 50% self-paced video modules and 50% live online classes, along with industry masterclasses, sandbox-based training, and capstone projects.

## **2. What makes this program different from a regular MCA?**

This program blends core MCA fundamentals with BFSI-focused tools such as UPI, AI, blockchain, cybersecurity, and APIs. In collaboration with Paytm, students gain exposure to real-world projects and masterclasses led by industry leaders.

## **3. What kind of capstone or practical projects will I work on?**

You will complete 10+ practical projects, including building fraud detection models, deploying smart contracts, designing compliance dashboards, simulating UPI/QR-based transactions, and creating MVPs for robo-advisory or lending apps.

## **4. Which tools and platforms will I learn in this course?**

The program covers hands-on skills in Python, Java, R, Solidity, and SQL. You'll also work with Tableau, Power BI, Jenkins, Postman, AWS, MetaMask, Flask, FastAPI, TensorFlow, XGBoost, Remix IDE, and regulatory protocols like DPDP, GDPR, FATCA, RBI sandbox, and SEBI reporting.

## **5. How are live sessions and mentorship handled?**

Live classes are conducted by top Fintech educators and Paytm mentors. Students also attend masterclasses with CXOs, engage in peer-to-peer reviews, and receive personalized feedback on GitHub-submitted projects.

## **6. What kind of job roles can I apply for after completing the program?**

Graduates can pursue careers as Fintech Software Engineers, Blockchain Developers, Data Scientists in BFSI, AI/ML Engineers in Finance, Product Analysts/Managers in Fintech, and Cybersecurity Analysts in Digital Banking.

## **7. What academic support services are available to online students?**

Amity University Online offers a range of academic support services to help students succeed, including academic advising and technical support.

## **8. How does online learning with Amity University Online work?**

Our online learning platform provides students with access to course materials, lectures, assignments, and discussions through an intuitive and user-friendly interface. Students can engage with their studies at their own pace and convenience, accessing resources from anywhere with an internet connection.

## **OTHER ONLINE PROGRAMS OFFERED**

**MBA**

**BBA**

**BA**

**BCA**

**B.COM**

**BAJMC**

**M.COM**

**MAJMC**



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