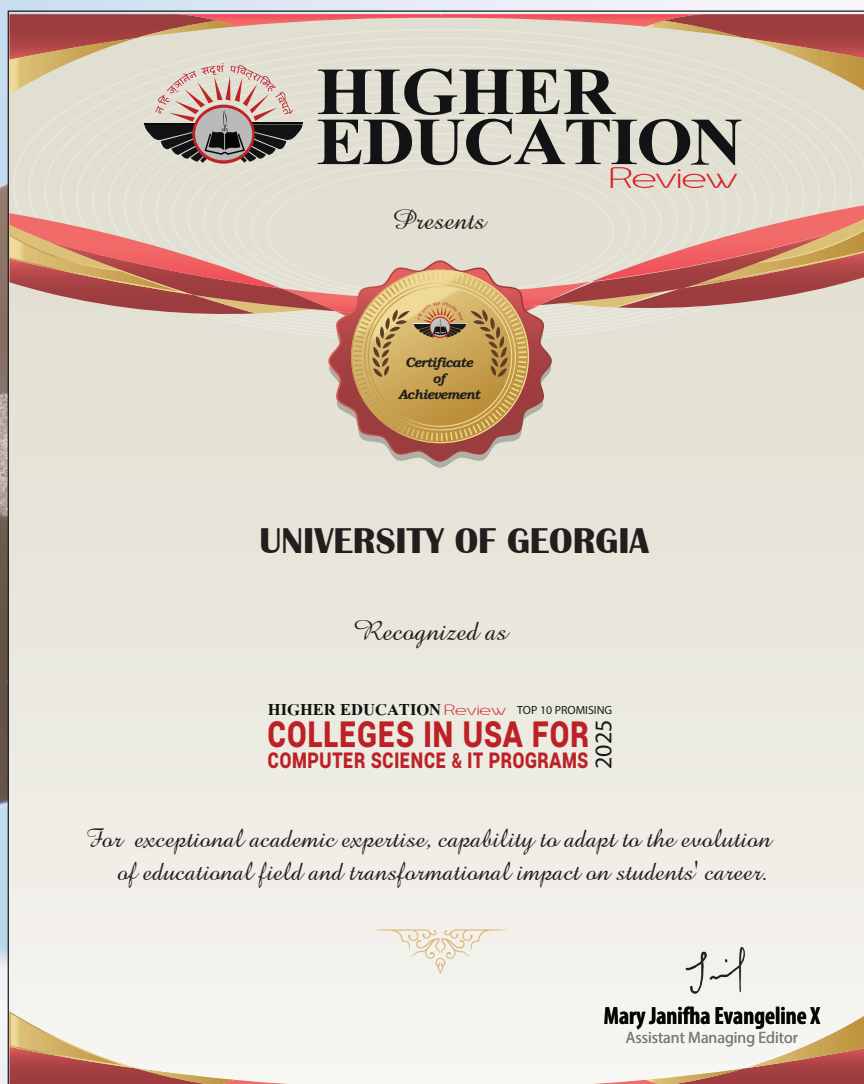COLLEGES IN USA FOR COMPUTER
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Mary Janifha Evangeline X
Assistant Managing Editor

UNIVERSITY OF GEORGIA

ESTABLISHING TECH LEADERSHIP IN COMPUTING, AI & CYBERSECURITY

The demand for skilled professionals in Computer Science and Information Technology continues to surge, driven by rapid advancements in artificial intelligence, cybersecurity, and data-driven decision-making. The industry demands a workforce that understands academic subjects and modern technology, making it difficult to bridge the difference between these two areas. Institutions should always update their subjects to remain relevant, encourage students to do practical tasks, and meet the industry requirements. As technology advances, universities must prepare individuals to meet the demands of the digital world.

University of Georgia is one of the top 20 Public Universities in USA, with one of the lowest graduate tuition costs for out-of-state and international students among such Universities. The University is also located close to Atlanta, one of the fastest growing tech hubs in USA. The curriculum of School of Computing, University of Georgia places special emphasis on artificial intelligence, particularly deep learning and large language models, as well as cybersecurity and computer systems, ensuring that students stay current with technological advancements. Just within the last year, new classes in cryptography and security considerations for large language models were introduced. Prior to that, new offerings included those in Machine Learning on IoT systems, Hardware Design for Deep Learning, Edge and Mobile acceleration for Deep Learning, and others.

At the same time, the students benefit from a strong preparation in the core of computer science, through coursework in Algorithms, Computer Systems, and Software Systems. In all, the University of Georgia helps students learn about new developments in the industry by incorporating innovative research into its instruction. The School of Computing's commitment

Gagan Agrawal
Director (CS)

to excellence across fields, combined with University of Georgia's status as a top-tier research university, has solidified its reputation as a hub for innovation and scholarship.

Industry Collaboration through Faculty active in R&D

The university enhances its Computer Science and related programs through its strong partnerships with industry. Through research projects funded by companies such as Amazon and Home Depot, the professors introduce students to the most recent developments within their industry. The support of a senior advisory board helps in ensuring the curriculum prepares students for what is required in today's work environment.

"MS students at the University of Georgia can either write a thesis or complete a project with faculty support, gaining practical skills that makes them highly attractive to top tech employers", says Gagan Agrawal, Director (CS), University

of Georgia. Their goal to make education accessible is proven by the competitively priced out-of-state tuition, as well as Teacher Assistantships (TA ship) that frequently cover tuition and offer stipends for many MS students each semester. There are many other opportunities for the students to be receiving financial support throughout the entire campus. Two Engineering and Computer Science job fairs each year, area together with active support from Career Center available throughout the year, help students locate internships and job placement.

Advanced Infrastructure & Location

The university's infrastructure, including the Georgia Advanced Computing Resource Centre (GACRC), supports advanced AI and data science projects, providing students with hands-on training opportunities. The university's rapidly growing tech hub near Atlanta facilitates internships and job placements with major tech companies, further aligning education with industry demands. The University conducts learning programs such as Research Day and

Artificial Intelligence Research Day, letting students display their work and talk to professionals in the industry, creating their path in professional life. University of Georgia has a beautiful campus that spans 762 acres, well known for historic architecture.

The University itself is one of the most comprehensive research universities in USA, with strengths across Computing, Engineering, Biomedical studies, Physical and Biological Sciences, Business, Law, Public Affairs, and many more areas. University of Georgia is located in the city of Athens, which is known as one of the best college towns, with a very vibrant music and arts scene. In all, Athens blends history, culture, and a fun college atmosphere. Athens is also located just 60 miles from Atlanta, one of the 8 largest cities in the USA. Atlanta's tech scene has evolved from its early telecom roots to lately become one of the most significant hubs for fintech, cybersecurity, and health tech. Major tech companies with significant presence in Atlanta include Microsoft, Google, Cisco, NCR, and Honeywell.

> The School of Computing's commitment to excellence across fields, combined with University of Georgia's status as a top-tier research university, has solidified its reputation as a hub for innovation & scholarship

Future Roadmap

Through a focus on research and student needs, the University is educating well-qualified individuals who go on to lead the world of technology and industry. Looking ahead, it is trying to increase the national ranking of its Computer Science program by hiring top researchers who will add new elective courses on cutting-edge topics. Faculty excellence is maintained through a rigorous hiring method, prioritizing candidates with strong research records and teaching ability. These experts mentor students, integrating the latest advancements into their instruction. HE**R**