



Department of Computer
Science and Engineering
COLLEGE OF ENGINEERING

Cyber Guard Research Lab at the University of Texas at Arlington (UTA) is actively seeking self-motivated and talented students to join our research group. We are exploring cutting-edge topics in **Software Security, IoT Security, and the Security and Privacy of Large Language Models and Machine Learning**. Our work aims to develop innovative frameworks that combine advanced security analysis techniques with machine learning approaches. If you are interested, please send your CV and transcript to faysal.shezan@uta.edu. Strong programming skills are essential, and experience with ML frameworks (e.g., PyTorch, TensorFlow) would be a big plus.

Advisor: Dr. Shezan is an assistant professor at the University of Texas at Arlington, where he directs the Cyber Guard Research Lab. His work focuses on security and privacy issues at the intersection of cyber-physical systems, software engineering, and machine learning. Dr. Shezan's primary research interest lies in data-driven security and privacy analysis in cross-platform interactions of emerging systems. His goals include measuring the attack surface of IoT platforms, analyzing privacy leakages in interconnected home automation applications and investigating the enforcement of privacy policies. His research has been published in top-tier security, privacy, and systems conferences, including NDSS, UBIComp/IMWUT, WWW, PoPETs, and SOUPS. Dr. Shezan's findings have been acknowledged by companies like Google and have resulted in the publication of several CVEs. During his Ph.D., he received notable recognitions, including the CPS Rising Stars award, the UVA Endowed Graduate Fellowship, and the Link Lab Outstanding Graduate Research Award. You can read more about the **research project and student success** at [Faysal Hossain Shezan \(fhshezan.github.io\)](https://faysal.hossain.shezan(fhshezan.github.io)).

Computer Science and Engineering (CSE) Department: The Computer Science and Engineering (CSE) department at the University of Texas at Arlington is ranked 60th nationally by csrankings.org (as of September 2023, based on average 2018-23 publication counts). The department boasts 45 tenured/tenure-track and 27 teaching faculty members, including one ACM fellow, four IEEE fellows, two AIMBE fellows, one AFOSR YIP awardee, and eleven NSF CAREER awardees. As of 2023, the CSE department's annual research expenditure exceeds \$8.3 million.

The University of Texas at Arlington: The University of Texas at Arlington (UTA) is located in the heart of the Dallas-Fort-Worth-Arlington metroplex, a vibrant area of over 7 million people with a rapidly growing tech economy and diverse cultural offerings. As a comprehensive institution dedicated to advancing knowledge through scholarship and creative work, UTA emphasizes teaching, research, and public service while fostering innovation and entrepreneurship. With over 40,000 students, it's the second-largest in the University of Texas System and holds Carnegie R-1 "Very High Research Activity" status. UTA ranks 4th nationally for veterans (Military Times) and is among the top 30 for social mobility (U.S. News & World Report, 2023). Recognized as both a Hispanic-Serving Institution and an Asian American and Native American Pacific Islander-Serving Institution, UTA boasts one of the nation's most ethnically diverse undergraduate populations. Its 270,000 alumni, some leading Fortune 500 companies in North Texas, contribute to UTA's \$22.2 billion annual economic impact on Texas.