

Kanthi Narukonda

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Employment History

8/25-	Dakota State University <i>Instructor</i> <ul style="list-style-type: none">Teach cybersecurity undergraduate and graduate courses, create assessments, and evaluate courseworkServe as Faculty Advisor for CybHER Club at Dakota State UniversityMentor graduate teaching assistants and undergraduate students in teaching, outreach, and leadership roles	Madison, SD
8/23-8/25	Dakota State University <i>Assistant Professor</i> <ul style="list-style-type: none">Teach cybersecurity undergraduate and graduate courses, create assessments, and evaluate courseworkServe as Faculty Advisor for CybHER Club at Dakota State UniversityMentor graduate teaching assistants and undergraduate students in teaching, outreach, and leadership roles	Madison, SD
08/22-	CybHER Institute, Dakota State University <i>Director</i> <ul style="list-style-type: none">Oversee the development of cybersecurity lesson plans for K-12, mapped to SD educational standards that educators throughout SD can useDirect various cybersecurity K-12 outreach events, organizing camps, after-school programs, and large-scale STEM eventsCoordinate CybHER Conversations, a YouTube series highlighting diverse women in cybersecurityBuild and maintain partnerships with organizations such as Girl Scouts, Boys and Girls Clubs, Scouting America, and local schools to support community engagement	Madison, SD
08/22-8/23	Dakota State University <i>Instructor</i> <ul style="list-style-type: none">Teach cybersecurity undergraduate courses, create assessments, and evaluate courseworkFaculty advisor for CybHER Club at Dakota State University	Madison, SD
05/20-08/22	CybHER Institute, Dakota State University <i>Chief of Operations</i> <ul style="list-style-type: none">Organize and lead various outreach activities in SDOversee the operational needs of the organization, including hiring and managing a team of 14 CybHER LeadersWork with the founders and the Chief of Strategy to ensure the scalability of the CybHER Program	Madison, SD
08/17-08/22	Dakota State University <i>Graduate Assistant</i> <ul style="list-style-type: none">Research work with the goal of setting up an online training module for CyberTraining labTaught cybersecurity undergraduate courses, created assessments, and evaluated courseworkCoordinator and advisor for CybHER Club, a club focused on providing opportunities and encouragement to increase the number of women in cyber	Madison, SD
05/20- 08/20 05/19- 08/19	SBS CyberSecurity, LLC <i>Information Security Consulting/Digital Forensics Incident Response Intern</i> <ul style="list-style-type: none">Performed risk assessments at client locationsDeveloped a malware analysis testing environment – Cuckoo SandboxConducted email forensics for the clientDeveloped tutorials for Windows registry forensics	Madison, SD

05/18- 08/18

Network Security Intern

- Performed external/internal network security testing
- Performed social engineering testing
- Created a virtual machine for the Network Security course offered by SBS CyberSecurity

07/13- 04/14

Defense Research and Development Organization

Hyderabad, India

Intern

- Developed a module for “Simulation of Distributed Avionics for Release of Aircraft Stores” using Qt and RTOS patch
- Constructed the basic functionality of the Weapon Launch Processor of the aircraft using C++
- Created algorithms and flow charts depicting the flow of control in the weapons system

Scholarships

- Awarded an SBS/Gamewell scholarship in Spring 2019, Spring 2021, and Fall 2021
- Awarded scholarships to attend the WiCyS conference in Spring 2018, Spring 2019, and Fall 2021
- Awarded a \$5000 scholarship from Peraton in the Fall of 2022

Education

Dakota State University

Madison, SD

Doctor of Philosophy in Cyber Defense (Current GPA: 3.78)

Dakota State University

Madison, SD

Master of Science (GPA: 3.9) – Information Assurance

Graduate coursework: Computer Forensics, Data Privacy, Web Software Security, Network Security &

Intrusion Detection, Cryptography, Big Data Analytics

Worked as a Computer Science tutor

Gandhi Institute of Technology and Management University

Vizag, India

Master of Technology (GPA: 3.6) – Embedded Systems

Graduate coursework: Embedded Programming, Microcontrollers, Real-time Operating Systems

Worked as a lab technician in the microcontroller lab of the university

Jawaharlal Nehru Technological University

Hyderabad, India

Bachelor of Technology (GPA: 3.2) – Computer Science

Undergraduate coursework: Design and Analysis of Algorithms, Computer Architecture, Computer Organization, Computer Networks, Information Security, Object-Oriented Programming, Web Technologies