

**AZAN HAMAD ALKHOREM**  
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<https://faculty.mu.edu.sa/home/show/360/cv>

## EDUCATION

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<b>PhD of Science</b>   <i>Computer Science</i> University of Idaho	May. 2024 Idaho, Moscow, USA
<b>Master of Science</b>   <i>Information Security</i> Lewis University	Dec. 2013 Romeoville, Illinois, USA
<b>Bachelor of Science</b>   <i>Computer Engineering</i> Florida Institute of Technology	May 2011 Melbourne, Florida, USA
<b>Associate Degree</b>   <i>Technical Support</i> College of Technology	June 2004 Saudi Arabia

## WORK EXPERIENCE

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<b>Assistant Vice Dean of E-Learning deanship for educational Affairs</b> Deanship of E-Learning and Distance Learning <ul style="list-style-type: none"><li>• Train faculty in e-learning methods and tools.</li><li>• Support faculty for effective online course delivery.</li><li>• Coordinate e-learning exams for all colleges.</li><li>• Ensure secure and efficient online exam processes.</li><li>• Provide effective support for faculty facing e-learning exam issues.</li></ul>	October 2014 – October 2015 Majmaah University
<b>Head of E-learning Unit</b> College of Computer Sciences and Information Technology <ul style="list-style-type: none"><li>• Design and deliver customized e-learning training for faculty and students.</li><li>• Ensure ongoing help for faculty and students to do well in creating effective online courses.</li><li>• Create special training for both faculty and students to do well in online learning.</li><li>• Make programs to help faculty and students succeed in e-learning.</li><li>• Manage the planning and execution of e-learning exams for both faculty and students.</li><li>• Conduct secure and efficient exam processes within the online learning environment.</li><li>• Implement strategies to enhance student engagement in e-learning.</li><li>• Coordinate exam schedules, training sessions, and strategies effectively.</li><li>• Provide assistance for faculty and students facing e-learning challenges.</li></ul>	October 2014 – December 2018 Majmaah University
<b>Information Security Researcher</b> Innovative Solutions Company <ul style="list-style-type: none"><li>• Risk Assessment, Auditing, Discovering Vulnerabilities, and Policies.</li><li>• Using Qualys with dashboard software created by teamwork from the company.</li><li>• Security Awareness.</li></ul>	March 2014 – August 2014 Riyadh, Saudi Arabia
<b>Technical Support</b> Saudi Red Crescent Authority <ul style="list-style-type: none"><li>• Setting up and configuring computer hardware, operating systems, and applications.</li><li>• Monitoring and maintaining computer systems and networks.</li><li>• Guiding employees in setting up systems or resolving issues in person or over the phone.</li><li>• Resolving system and network issues, diagnosing hardware or software faults.</li><li>• Fixing and replacing equipment components.</li></ul>	June 2005 – August 2005 Riyadh, Saudi Arabia

## TEACHING EXPERIENCE

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<b>Computer Sciences and Information Technology College</b> <i>Majmaah University</i> CS 312 Computer Organization CS 442 Computer Security IS 231 Fundamental of Database IS 232 Database Management System IT 331 Human Computer Interaction	2014 to present Majmaah, Saudi Arabia
<b>College of Business Administration</b> <i>Majmaah University</i> INF 110 Computer Skills and Information Technology	2015 Majmaah, Saudi Arabia
<b>College of Medicine</b> <i>Majmaah University</i> PCOA 100 Digital Science	2024 Majmaah, Saudi Arabia
<b>College of Applied Medical Sciences</b> <i>Majmaah University</i> PCOA 100 Digital Science	2024 Majmaah, Saudi Arabia

## RESEARCH AND PROJECTS

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<b>Access Control Policy Research</b> University of Idaho	Fall 2024
<b>How To Protect Sensitive Files on Computer.</b> Lewis University	Fall 2013
<b>Voice Controlled Robot Project</b> Florida Institute of Technology	Spring 2011

## PUBLICATIONS

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1. **Alkhorem, Azan Hamad. and Conte de Leon, Daniel Jillepalli, Ananth A and Jia Song,** A Structured and Comprehensive Literature Survey on Access Control Delegation Models and their Properties and An Analysis of Knowledge Gaps,& Tutorials, *Under Review.*
2. **Alkhorem, Azan Hamad. and Conte de Leon, Daniel and Jillepalli, Ananth A. and Jia Song.** *Extending Policy Processing of the Hierarchical Policy (HPol) Access Control Model: Evaluating Policy, Redundancy, Partial and Conflict Detection. Elsavier 2024, In Preparation.*
3. **Alkhorem, Azan Hamad. and Conte de Leon, Daniel and Jillepalli, Ananth A. and Jia Song.** *Delegation Processing in the Hierarchical Policy (HPol) Model Access Control: Evaluating Permission to Delegate and Delegation Combinations with Policy. Elsavier 2024, In Preparation.*

## CONFERENCES

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<b>DEF CON Hacking Conference - Code of Conduct</b> Paris Las Vegas, USA	August 5, 2021
<b>The ACM Symposium on Access Control Models and Technologies (SACMAT)</b> Barcelona, Spain - virtually	June 16, 2021
<b>Cybersecurity in Government Virtual Cybersecurity Summit</b> USA	October 21, 2021
<b>Philadelphia Virtual Cybersecurity Summit</b> USA	September 16, 2021
<b>Canada East Virtual Cybersecurity Summit</b> Canada	September 8, 2021

<b>Florida Caribbean Virtual Cybersecurity Summit</b> USA	June 16, 2021
<b>Nashville Virtual Cybersecurity Summit</b> USA	December 10, 2020
<b>Atlanta Virtual Cybersecurity Summit</b> USA	December 2, 2020
<b>Dallas Virtual Cybersecurity Summit</b> USA	November 11, 2020
<b>St.Louis &amp; Oklahoma Virtual Cybersecurity Summit</b> USA	October,29 2020
<b>Security Conference</b> Embassy Suites Detroit, USA	May 2013

## CERTIFICATIONS

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- Security+ (CompTIA)
- MTA (Microsoft Technology Associate)
- ACE (AccessData Certified Examiner)
- Executive Leadership Professional Development
- Project Management Professional Development
- Hacking Countermeasures
- Computer Applications
- Human Resources Development Fund
- Motivating Students

## TRAINING

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- Certified Ethical Hacker v9 (CEH)
- Hacking and Cyber Security
- Ethical Hacking and Cyber Security
- Digital Forensics with FRED and Forensics Foundations
- Desire To Learn Training (D2L)
- TOT. Training Of Trainer
- Training on Teaching Online Courses
- Courses Designing and Developing in e-Learning Management System
- The use of iPad in education at Majmaah University
- E-learning techniques for people with special needs at Majmaah University
- Development of University Sites at Majmaah University
- Learning patterns according to Kolb model at Majmaah University
- Personality Effectiveness
- Majmaah University represented by the Seifal Center at Majmaah University
- Introduction to the Python language
- Completing the Course Cybersecurity

- SDL,e-Training IEEE
- SDL,e-Training SpringerLink-Springer Online Platform
- Utilizing the 2030 Sustainable Development Goals to Empower the Saudi Green Initiative
- The family and its role in enhancing children’s motivation to learn
- Bring your data to life with Google Earth and the Gold Server software at Majmaah University
- Enhancing Academic Success with AI-Driven Tools
- Application mechanism on the Research Ethics Platform at Majmaah University
- Discover your child’s intelligence at Majmaah University
- Writing a research plan
- Artificial Intelligence and Machine Learning in Biomedical Sciences
- Combating Cybercrime
- Content Creation
- Methods of caring for gifted people with disabilities
- Content Creation
- Sources and references relied upon by the legal researcher

## SKILLS

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- Windows, Linux, VMware, VirtualBox,Virtualization, Windows Server 2008 R2, Mac OSX and BackTrack
- LANGUAGES: Python , C, C++, PHP, SQL, and Assembly
- WEB: HTML, CSS
- APPLICATIONS: Microsoft Office,Wireshark, Snort, FTK and Kismak
- HARDWARE/SYSTEMS: PC, Mac, Virtualization, backup

## MEMBERSHIPS

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- IEEE- The Institute of Electrical and Electronics Engineer
- ACM - Association for Computing Machinery

## VOLUNTEER WORKS

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- Volunteer supporter, Saudi Student Association, Nebraska, Lincoln  
Certificate of Appreciation from University of Nebraska, Lincoln
- Volunteer supporter, Saudi Student Carnival Committee - SACM  
Certificate of Appreciation from Saudi Student Carnival Committee
- Volunteer member , Saudi Student Club at Lewis University
- Volunteer member , Saudi Student Union at Florida Institute of Technology

## LANGUAGES

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- English
- Arabic