

Sheharyar Khalid

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EDUCATION

Ph.D. in Computer Science

University Of Virginia (UVA)

2023 – Present

Advisors: Prof. Wajih Ul Hassan, Prof. Kevin Skadron

Bachelor of Science in Computer Science

Lahore University of Management Sciences (LUMS)

2019 – 2023

RESEARCH INTERESTS

System Security, Intrusion Detection, SIEM Systems, Hardware based Acceleration, FPGA Applications

RESEARCH PROJECTS

Hardware-Accelerated Log Data Matching

University of Virginia

- Developing an FPGA-based solution for efficient log data matching using automata state-machines
- Analyzing log data with identified system failures to benchmark current system performance
- The work received Best Poster Award at UVA CS Research Symposium 2023

Provenance Graph Generation with Wazuh

University of Virginia

- Focusing on collection and generation of provenance graphs for system security monitoring
- Utilizing Wazuh for efficient collection of Linux auditd data from host machines

ACADEMIC & WORK EXPERIENCE

University of Virginia

Graduate Research Assistant - Advised by Prof. Wajih Ul Hassan and Prof. Kevin Skadron

Charlottesville, USA

2023 - Present

Lahore University of Management Sciences

Undergraduate Research Assistant in ISPL Lab - Advised by Prof. Fareed Zafar - 2022-2023

Undergraduate Research Assistant in SIA Lab - Advised by Prof. Mobin Javed - 2022-2023

Undergraduate Teaching Assistant for CS473: Network Security - 2023

Undergraduate Teaching Assistant for CS100: Computational Problem Solving - 2021

Lahore, Pakistan

AWARDS & HONOURS

Best Poster Award (UVA Research Symposium)

University of Virginia

2023

Leadership Representative for CSGSG

University of Virginia

2024-2025

TECHNICAL SKILLS

Languages	Python, C, C++, SQL, HTML, Haskell, Java, Javascript, MATLAB
Frameworks	Node, React, Numpy, Scikit Learn
Development Stacks	ELK, React, Pytorch
Tools & Misc	Git, Docker

RELEVANT COURSEWORK

Computer Security	Topics in Internet Security and Privacy, Network Security
Computer Networks	Network Centric Computing, Internet Measurements
Machine Learning	Machine Learning, Artificial Intelligence, Data Mining, Data Science