Aafaq Sabir

Phone: +1 (919) 501-1591, GitHub: https://github.com/aafaq52, Website: aafaqsabir.org
Email: asabir2@ncsu.edu, aafaqsabir@gmail.com, Location: Raleigh, North Carolina, USA

EDUCATION

North Carolina State University (NCSU)

− PhD Computer Science (CGPA 3.86)

  August 2021 – Present (Expected graduation: 2026)

Lahore University of Management Sciences (LUMS)

− BS Computer Science (CGPA 3.57, SCGPA 3.82)

  Aug 2016 – May 2020

PROFESSIONAL EXPERIENCE

North Carolina State University (NCSU)

− Graduate Research Assistant
  (August 2021 – Present)

Educative.io

− Technical Content Engineer
  (August 2020 – September 2021)

Lahore University of Management Sciences (LUMS)

− Teaching Assistant

  CS 100 (2018), CS 200 (2019), CS 100 (2020)

COMMUNITY SERVICE

LUMS National Outreach Program[1]

− Instructor, Computer Science Course
  (2017, 2018, 2019)

Harsukh School Lahore (for underprivileged children)

− Instructor, Natural Sciences (2019)

EXTRA-CURRICULAR ACCOMPLISHMENTS

2019 - Vice President IEEE Computer Society, LUMS

2018 – Director IT Department IEEE LUMS

2018 – Event Head CodinGuru (IEEE LUMS Computer Society's Coding Competition)

SKILLS

•C++ •C • Python •JavaScript
•Golang •Java •AWS •Android Dev
•MEVN Stack •Git •Web Scraping
•Haskell •Socket Programming
•P2P Networking •Selenium
•Web Dev • Browser Extension

PUBLICATIONS

- Hey Alexa Who am I talking to?**:** Analyzing Users' Perception and Awareness Regarding Third-party Alexa Skills. *In CHI Conference on Human Factors in Computing Systems (CHI) 2022, April 29-May 5, 2022, New Orleans, LA, USA, 15 pages.* **Aafaq Sabir**, Evan Lafontaine, and Anupam Das.

- Analyzing the Impact and Accuracy of Facebook Activity on Facebook Ad-Interest Inference Process. Proceedings of the 25th ACM Conference On Computer-Supported Cooperative Work And Social Computing (CSCW), 2022. **Aafaq Sabir**, Evan Lafontaine, and Anupam Das.

- Understanding people's attitude and concerns towards adopting IoT devices. In *Proceedings of the 39th ACM Conference on Human Factors in Computing Systems (CHI)*, pages 1–10, 2021. Evan Lafontaine, **Aafaq Sabir**, and Anupam Das.

- Understanding the privacy implications of Adblock Plus's acceptable ads. In *Proceedings of the 16th ACM ASIA Conference on Computer and Communications Security (ASIACCS)*, pages 1–14, 2021. Ahsan Zafar, **Aafaq Sabir**, Dilawer Ahmed, and Anupam Das.

COURSEWORK PROJECTS

Software Engineering (SE):
- Worked in a team to document, develop and deploy an automated code checking web application using React and Node, leveraging various platforms for storing data, testing, and deployment, including MongoDB, AWS, Jira and Heroku.

Peer to peer network using DHT for file sharing:
- Developed a peer-to-peer network from scratch that can store large files on the peers using DHT and any peer can download the file from the network.
- The network implemented fault tolerance by replicating content and handled ungraceful node churn making the network resilient and reliable.

COURSES

Grad: Intro to Cryptography, Internet Protocols
Undergrad: Network Centric Computing, Network Security, Privacy in Digital Age, Software Engineering, Natural language Processing, Data Mining, Internet Measurements, Advance Programming, Intelligent Computing, Probability and Statistics, Operating systems, Algorithms, Discrete Mathematics

INTERESTS

• Privacy and security
• User perception and mental model about smart home voice assistants
• Privacy implications of voice-based interaction via IoT
• Online targeted advertisement and user profiling

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[1] https://nop.lums.edu.pk