
Saadia Arshad

+92-316-2416442

saadia@cloud.neduet.edu.pk

OBJECTIVE

I, as an individual, have dedication towards learning and continuous skill development, which I want to impart to others. I have an inherent passion and desire to innovate and teach others through my skill set and knowledge.

PROFESSIONAL EXPERIENCE

NED University of Engineering and Technology

Lecturer (Department of CSIT)

October 2022 - Onwards

- Programming
- Information Technology

NED University , National Center for Cybersecurity (NCCS)

Research Associate

2021 - 2022

- Worked in Digital Forensics Domain
- Worked on the Development of SIEM solution
- Mobile Forensics, Windows Forensics
- Ransomware
- Data Privacy
- SDN Network

NED University of Engineering and Technology

Visiting Faculty (Department of CSIT)

March 2022 - September 2022

- Cyber Security
- Information Technology

TEAM 360 , TECH Startup

Co-Founder

2017 - 2019

-
- Developed Web Applications
 - Developed Mobile Applications
 - Developed Virtual and Augmented Reality based Applications

Jinnah University for Women ORIC Department

Administrative Assistant IT

2018 - 2019

- Website Development
- Guide Startup Projects
- Assist in all IT related activities

EDUCATION

Masters of Science in Information Security (MSIS)

NED University of Engineering & Technology, Karachi

2018 - 2020

Bachelors of Science in Software Engineering (BSSE)

Jinnah University for Women, Karachi

2014 - 2017

RESEARCH PUBLICATIONS

1. Arshad S, Arshad J, Khan MM, Parkinson S. "Analysis of security and privacy challenges for DNA-genomics applications and databases." Journal of Biomedical Informatics. (2021) (<https://doi.org/10.1016/j.jbi.2021.103815>).
2. Hyder, M. F., Arshad, S., Arfeen, A., & Fatima, T. "Privacy preserving mobile forensic framework using role-based access control and cryptography". Concurrency and Computation: Practice and Experience (2022) (<https://doi.org/10.1002/cpe.7178>).

CONFERENCE PAPER

1. Presented Research Paper written on "Smart Virtual Reality Application" in Multi-Topic Computing Conference (MTCC) by IEEE Karachi. (2017)

TECHNICAL AND PERSONAL SKILLS

Expert skill level in Digital Forensics (Evidence Acquisition and Analysis), Malware Analysis, Reverse Engineering Malware, Data Recovery from Storage Devices etc. Successful in training both entry-level and technical skill sets.

-
1. **Operating Systems:** Linux, Kali Linux, Windows, Android.
 2. **Programming Languages:** C, C++, C#, Java, Python.
 3. **Development Tools:** ONOS, Android Studio, Microsoft Visual Studio, WordPress, Unity 3D, Dr Java, Code Blocks.
 4. **Forensic Tools:** Static analysis tools, Dynamic analysis tools, Data acquisition tools, Data Analysis tools, Reverse engineering tools, Malware analysis tools and environments.
 5. **Designing Tools:** Adobe illustrator, Adobe Photoshop, Sketch Up, Just in Mind.
 6. **MS Office:** MS Access, MS Excel, MS PowerPoint, MS Word, MS Project, MS Visio.
 7. **Others:** Latex, Technical Report writing (TRW) skills, Software Requirement Specification (SRS) report designing, Effective prototyping skills, Digital forensic tools, UML Diagrams.
 8. Excellent written and spoken skills in English and Urdu.
 9. Excellent Communication Skills

PROJECTS

1. Worked on the development of STIP (SIEM Solution).
2. Forensic toolkit.
3. Android phone pin cracker.
4. Designed a DDoS detection and mitigation project on an SDN distributed network.
5. **Final Year Project:** "Smart University project using Virtual Reality and Augmented Reality".
6. Semi-Immersive virtual reality tour with sound, navigation and interactive hotspots.
7. Augmented reality based university 3D model / map for navigation within the campus.
8. Smart and interactive signs and notice boards.
9. Student information portal.

ACHIEVEMENTS

- Won Project Grant from US Embassy and Shoor Foundation at National Incubation Center, Islamabad for my tech startup.

-
- Won Technology Award in Sindh Summit 2017.
 - Entrepreneurship Training and Certificate from Shoor Foundation for Education and Awareness (SFEA) Islamabad.
 - Unity 3D Certification.

EVENTS PARTICIPATED AND ORGANIZED

- Conducted Training Session in IBA University on Data Privacy and Security.
- Organized 3rd Annual Sindh Summit 2018.
- Represented Jinnah University at ITCN Asia 2018 held in Expo Center.
- Presented a Startup project at NIC, Islamabad in front of the US Embassy.
- Presented in Punjab Summit 2018 held in Punjab University Lahore.
- Represented Jinnah University in Momentum TECH Conference 2018 held in Expo Center.