

# Asad Salman

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BOSTON, UNITED STATES

## EDUCATION

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| Sep 2018 - Present   | <b>PhD INFORMATION ASSURANCE</b><br><i>KCCIS Graduate Fellowship,<br/>Northeastern University</i>        |
| Sep 2014 - June 2018 | <b>Bachelors of Engineering in SOFTWARE ENGINEERING</b><br><i>School of EE &amp; CS, NUST, Islamabad</i> |

## WORK EXPERIENCE

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| SEPTEMBER 2018<br>TILL<br>PRESENT | <b>Khoury College of Computer and Information Science Fellowship</b><br><i>KCCIS, Northeastern University</i><br>I am part of the <a href="#">NDS2 Lab</a> at Northeastern's Cybersecurity And Privacy Institute. Under the supervision of <a href="#">Prof. Cristina Nita-Rotaru</a> , I work on the security of distributed systems, specifically blockchain systems.   |
| JUNE 2017<br>TILL<br>AUG 2018     | <b>Research Assistant</b><br><i>SEECs-NUST</i><br>Research assistant to <a href="#">Dr. Syed Taha Ali</a> at SEECs-NUST. Worked on schemes to make the Bitcoin protocol resilient to DoS ("dust") attacks. Worked on devising the schemes in theory, but also implementing in Bitcoin core in C++.  |
| SUMMER 2017                       | <b>Google Summer of Code</b><br><i>The GNU Project</i><br>I was selected in GSoC 2017 with The GNU Project. My project (proposal: <a href="https://goo.gl/XQnGq1">https://goo.gl/XQnGq1</a> ) was writing a V8 Engine wrapper in C++ for GNU's Ring (an open-source, distributed, privacy-preserving calling app). My mentor for the project was <a href="#">Adrien Béraud</a> from Savoir-faire Linux. I successfully completed the project, my contributions: <a href="https://goo.gl/aSv95b">https://goo.gl/aSv95b</a> |
| FALL 2016<br>SPRING 2017          | <b>Teaching Assistant</b><br><i>Computer Networks Course</i><br>Teaching assistant to <a href="#">Dr. Arsalan Ahmad</a> for Computer Networks course in SEECs-NUST.<br>Work involved helping the instructor in course related activities such as grading assignments, quizzes, finals and coming up with course project requirements.   |
| SUMMER 2016                       | <b>Cybersecurity Internship</b><br><i>Tranchulas</i><br>Learned about penetration testing and application security during the internship. Practiced extensively through the frequent hacking competitions (CTFs). Also, learned about other domains of information security like forensics, physical security (lock picking) etc.   |

## AWARDS AND ACCOLADES

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- 2017 | **Scaling Bitcoin Travel Subsidy**  
*Awardee*  
Awarded travel subsidy to attend Scaling Bitcoin 2017 Workshop at Stanford. Scaling Bitcoin is one of the most prominent event in the Bitcoin community, attending by many of the movers and shakers in the community. More detail of the workshop here: <http://scalingbitcoin.org>
- 2016 | **ACSAC Student Conferenceship Award**  
*Awardee*  
Was awarded a grant to attend Annual Computer Security Applications Conference 2016 in Los Angeles. One of the fifteen students all over the world to be selected for the grant. More detail of the conference here: <https://www.acsac.org/>.
- 2017 | **Netsys'17 Student Travel Grant**  
*Awardee*  
Awarded an ACM SIGCOMM sponsored grant to attend NetSys'17 in Göttingen, Germany. More detail of the conference here: <http://netsys17.uni-goettingen.de/>
- 2017 | **Debconf'17 Grant**  
*Awardee*  
Awarded a grant to attend prestigious open-source conference DebConf'17 in Montreal, by event sponsor Savior-Faire Linux. DebConf is one of the biggest open-source developers conference in the world. Details: <https://debconf.org/>
- 2016 | **Cisco Global Cybersecurity Scholarship**  
*Awardee*  
Was awarded Cisco Cybersecurity Scholarship to study and give exam for Cisco's Associate Level CCNA Cyber Ops Certification. Selected among hundreds of thousands of applicants. Read more details of the scholarship here: <https://goo.gl/O9p95l>.
- 2015 | **SEECs Social Hackathon**  
*Winner*  
Won SEECs Social Hackathon against 50 other teams. Developed Android app that helps students prepare for universities' competitive entrance exams. Took home Telenor Sponsored prize.
- 2015 | **Women's Transport Innovation Challenge**  
*Winner*  
Won Women's Transport Innovation Challenge organized by Pakistan Innovation Foundation in collaboration with Toyota and UN Women. Developed Android app over weekend that made women's use of public transport safer.  
Beat 40+ teams in first round to secure a spot in final around and ended up winning against 11 other teams. Won Toyota Sponsored prize. Read about it on the UN Women Blog: <https://goo.gl/heB6ew>.

## WORKSHOPS

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- 2016 | **TracerFIRE**  
Attended a two-day hands-on workshop at ACSAC on computer forensics and incident- response. The workshop was taught by researchers from Sandia National Laboratory.

## SKILLS

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PENETRATION TESTING | COMPUTER FORENSICS | GIT | SDN (MININET) | ANDROID DEVELOPMENT (SDK AND NDK) | PROGRAMMING (C, C++, PYTHON, JAVA, PHP, NODE.JS) | PHOTOSHOP | WEB DEVELOPMENT (ANGULAR, WORDPRESS) | LINUX |  $\LaTeX$