Sankalp GHATPANDE

https://deadlyelder.github.io

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EDUCATION

- **University of Luxembourg** — Luxembourg City, Luxembourg
  Master in Information and Computer Science — *September 2014 – September 2016*
  - Second place overall at Morpheus Cup 2016
  - Best project award in two (Education and Space) categories at Morpheus Cup 2016
  - Best performance in Security challenge (CTF) at Morpheus Cup 2016
  - Fellowship based on Merit from Ministry of Higher Education and Research, Luxembourg in 2016
  - Fellowship based on Merit from Ministry of Higher Education and Research, Luxembourg in 2015

- **North Maharashtra University** — Jalgaon, India
  Bachelor of Computer Science — *July 2010 – January 2014*

EXPERIENCE

- **Interdisciplinary Center SnT, University of Luxembourg** — Luxembourg
  Research Associate — *October 2017 - Present*

  Contribute towards projects in the topic of blockchain, IoT security and cryptography. Affiliated with SERVAL research group and contribute mainly to bIoTope project (Grant agreement No. 688203). Implementation of different Proof-of-Concept using technologies such as distributed ledgers.

- **itrust consulting** — Niederanven, Luxembourg
  Security Researcher — *October 2016 - September 2017*

  Worked at the R&D department. Contributing to bIoTope (Grant agreement No. 688203) and ATENA (Grant agreement No. H2020-DS-2015-1-Project 700581). Other duties included contributing to 'ISO/IEC 207: Blockchain and electronic distributed ledger technologies' and 'ISO/IEC JTC 1/SC 27'

- **itrust consulting** — Niederanven, Luxembourg
  Research Intern — *May 2016 - August 2016*

  Investigated different 'Authentication and Identity' mechanisms for IoT devices. Study of lightweight security algorithms for the research projects.

- **LACS, University of Luxembourg** — Luxembourg City, Luxembourg
  Research Assistant — *January 2017 - April 2017*

  Implementing and evaluating the security against side-channel attacks on Elliptic Curve Cryptography (ECC) and other for systems on embedded device. Project supervised by Dr. J. Groszschdl.

- **Interdisciplinary Centre for Security, Reliability and Trust, SnT** — Luxembourg City, Luxembourg
  Research Assistant — *May 2016 - August 2016*

  Worked on the project SATMED, an initiative by SES for emergency health care service with Dr. G. Gheorghe. Analysis and design of a solution to improve confidentially in a health-care application that deals with patient data and is used by medical staff.

SKILLS

- **Programming Languages** Python, C, Javascript, Rust, Go, Assembly
- **Technologies** Azure, AWS, Docker
- **Project Management** Git, SVN, Mercurial, Scrum, PRINCE2

PUBLICATIONS

[1] Ghatpande, Sankalp, and Gabriela Gheorghe. **Towards more secure and usable cloud storage for e-health**. University of Luxembourg, 2015

[2] Gheorghe, Gabriela, Muhammad Rizwan Asghar, Jean Lancrenon, and Sankalp Ghatpande. "**SPARER: Secure cloud-proof storage for e-health scenarios**." In Availability, Reliability and Security (ARES), 2016 11th International Conference on, pp. 444-453. IEEE, 2016.