

Personal Data

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Date of Birth 3 April 2002



Work Experience

Research Assistant at the Institute for Information Systems

- 10/2023 – now
- Investigated some of the issues with Tor, particularly how end-to-end congestion control techniques affect the speed of onion routing
 - Investigated the implications of the cross-circuit interference (CCI) problem in a new version of the Tor client
 - Compared various proposed solutions to mitigate the CCI problem in Shadow

Web Intern at Collegepond-Converge

- 07/2022 – 10/2022
- Designed and implemented forms, parsed responses, and aggregated data
 - Optimized pages for load time, mobile viewing & accessibility, revamped CSS/frontend and other styling
 - Worked on various front- and back-end projects, including Linux server troubleshooting and administration

Education

- 02/2023 – 04/2024 **Hochschule für Angewandte Wissenschaften Hof, Hof**
Computer Science – International Exchange Student
- 06/2020 – 05/2024 **Vishwakarma University, Pune**
Bachelor of Technology in Computer Engineering
Specialization in Information Security
CGPA: 8.74/10

Certifications

- 01/2022 CompTIA Security+ SY0-601
06/2023 AWS Academy Cloud Foundations
06/2023 CyberOps Associate
LinkedIn Learning Certifications (Full List [here](#))

Technical Skills & Additional

- Key Skills **Python** – django, selenium, scripting, automation
Application Security & Secure Software Development
Linux – scripting/command-line, architecture, administration
- Language Skills **Englisch**- C2/Native speaker
German- A2/Intermediate

Projects

- 04/2023 – 09/2023 **Lost In Translation** – Exploiting Automatic Website Translations (through phishing websites) using Homoglyph Attacks
- 04/2023 – 09/2023 **Can Johnny Encrypt E-Mails on Smartphones?** – Encryption and Signing of E-Mails using S/MIME and OpenPGP on Smartphones
- 06/2022 – 08/2022 **GPG-GUI** – Graphical application for secure(GPG encryption) storage of important documents and photos, written in Python