
Personal Data

Name Elvin deSouza
Address Weissenburgstr. 1
95028 Hof
Mobile +49 1523 1419217
E-Mail elvindesouza@gmail.com
Website elvindesouza.github.io
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

06/2020 – 06/2024
Vishwakarma University, Pune
Bachelor of Technology in Computer Engineering
Specialization in Information Security
CGPA: 8.86/10 (A+)

Certifications

01/2022 [CompTIA Security+ SY0-601](#)
06/2023 [AWS Academy Cloud Foundations](#)
06/2023 [CyberOps Associate](#)

Technical Skills & Additional

Key Technical Skills **Python** – django, selenium, scripting, automation
Application Security & Secure Software Development
Linux – scripting/command-line, architecture, administration

Language Skills **English**- C2/Native speaker
German- B1/Intermediate

Key Soft Skills Excellent communication, strong work ethic, problem solving, enthusiastic learner, analytical thinking

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