

ELVIN DESOUZA

Hof, Germany | P: [+49 15231419217](tel:+4915231419217) | elvindesouza@gmail.com | github.com/elvindesouza | linkedin.com/in/elvindesouza

WORK EXPERIENCE

COLLEGE POND-CONVERGE

Research Assistant - Research Group for System and Network Security (SNS)

- Investigating the implications of the cross-circuit interference (CCI) problem in the latest version of the Tor client, which includes end-to-end congestion control integration
- Comparing various proposed solutions to mitigate the CCI problem in Shadow

Oct 2023 – Now

Hof, Germany



COLLEGE POND-CONVERGE

Web Engineer

- Created and maintained web pages for the website built with WordPress
- Designed and implemented forms, parsed responses, and aggregated data
- Increased traffic by monitoring SEO and tweaking relevant parameters
- 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

Jul – Oct 2022

Mumbai, India



EDUCATION

HOCHSCHULE HOF UNIVERSITY OF APPLIED SCIENCES

International Exchange Student - Computer Science

Specialization in Information Security

Feb 2023 – Apr 2024

Hof, Germany



VISHWAKARMA UNIVERSITY (CGPA: 8.74/10, GPA: 8.91/10)

Bachelor of Technology (BTech.) in Computer Engineering, in association with IBM

Specialization in Information Security

Expected May 2024

Pune, India

CERTIFICATIONS & LICENSES

- CompTIA Security+
- CyberOps Associate
- AWS Academy Cloud Foundations
- LinkedIn Learning Certifications (full list [here](#))



COMMUNITY & LEADERSHIP

REVOLUTION SOFTWARE DEVELOPMENT CLUB | Tech and Project Departments' Lead

Jun 2021 – Jan 2023

- Spread knowledge of industry-standard technology by organizing hackathons, workshops, projects and [webinars](#)
- Conducted research on bleeding edge tooling, and worked on projects involving the same
- Increased community outreach as a Content Strategist by writing in-depth technical pieces

PROJECTS & OUTCOMES ([My Website](#))

LOST IN TRANSLATION

Mar – Sep 2023

- Project under Prof. Dr. Florian Adamsky, Institute for Information Systems at Hochschule Hof - Exploiting Automatic Website Translations (through phishing websites) using Homoglyph Attacks

CAN JOHNNY ENCRYPT EMAILS ON SMARTPHONES?

Mar – Sep 2023

- Research under Prof. Dr. Florian Adamsky, Institute for Information Systems at Hochschule Hof - Encryption and Signing of E-Mails using S/MIME and OpenPGP on Smartphones

TECHNICAL SKILLS & ADDITIONAL

Key Skills:

- Python (scripting and automation with standard library, pytest, selenium, Django, etc.)
- Application Security and Secure Software Development, DevSecOps ([Website](#))
- Linux (scripting/command-line, architecture, administration, etc.)

Programming Languages & Tools: Python, Javascript, Burp Suite, SQL, Bash/Shell scripting, Git, VS Code

Languages/Communication Skills: English(C2), German(A2), Hindi, Marathi