

# ELVIN DESOUZA

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## SUMMARY OF QUALIFICATIONS

Avid programmer, with extensive problem solving skills and using programming patterns. Security+ certified, and demonstrated experience with cybersecurity, notably application security, in addition to my multiple years of Linux experience and administration. Being a lifelong learner I have a strong work ethic, along with good teamwork and communication skills.

## WORK EXPERIENCE

### COLLEGE POND

July 2022 – Now

Software Engineer



- Created and maintained web pages for the website built with WordPress
- Designed forms, implemented them on the website, parsed form responses, and aggregated data
- Increased traffic by monitoring SEO and optimizing pages for load time, mobile viewing, and accessibility
- Worked on various frontend and backend projects, including Linux server troubleshooting and administration

## EDUCATION

VISHWAKARMA UNIVERSITY ( CGPA: 8.68/10, GPA: 9.26/10 )

Expected May 2024

Bachelor of Technology in Computer Engineering in association with IBM ( BTech. CE INFOSEC )  
Specialization ( Minor ) in Information Security



RASIKLAL M. DHARIWAL JUNIOR COLLEGE ( HSC, FEB 2020 ) 79.85%

ST. VINCENT'S HIGH SCHOOL, PUNE ( SSC, MAR 2018 ) 89.80%



## CERTIFICATIONS & LICENSES

COMPTIA SECURITY+ CERTIFICATION ( SY0-601 ) (PASS, score 786/900)

January 2022

BURP SUITE CERTIFIED PRACTITIONER

Expected October 2022



## COMMUNITY & LEADERSHIP

REVOLUTION SOFTWARE DEVELOPMENT CLUB | Tech Department Lead

Jun 2021 – Now

- 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

GENESIS MACHINE LEARNING AND DATA SCIENCE CLUB | Tech Assistant

Jun 2021 – Now

- Built a model with scikit-learn to predict heart failure with high accuracy rate using binary logistic regression
- Authored write-ups on applied ML (ranking, recommendation, classification, regression, clustering, anomaly detection)

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

GPG-GUI ( [Website](#) )

Feb 2020

- Created a graphical application for secure(GPG encryption) storage of important documents and photos, written in Python

PENETRATION TESTING A NETWORK ( [Website](#) )

- Carried out information gathering, reconnaissance and discovery, performed the penetration test, and created a report
- Made use of tools like nessus, Burp Suite, sqlmap, Metasploit, nmap, John the Ripper, and Wireshark

HOME NETWORK HARDENING ( [Website](#) )

- Secured network devices, with IDS/IPS, firewall, logging, etc. and set up SSH, VNC, FTP, VPN services on the network

## TECHNICAL SKILLS & ADDITIONAL

### Key Skills:

- Advanced Python ( 3 Years of experience-scripting and automation with standard library, pytest, selenium, Django, etc. )
- Application Security and Secure Software Development, DevSecOps, Standards and Guidelines ( [Website](#) )
- Linux ( 3 Years of Experience-scripting/command-line, architecture, administration, etc. )

**Programming Languages:** Python, Java, C/C++, Javascript, SQL, Bash/Shell scripting

**Other Skills:** Git, OOP, Penetration Testing, Markdown, Applying Data Structures and Algorithms

**Languages/Communication Skills:**

- English: Distinction in Communication Skills Grade 3, Choral Speaking Grade 2, and Speech and Drama Grade 2 at the Trinity College London, scored 34/35 ( rank 221 Internationally ) in the International English Olympiad
- Other: Hindi, Marathi, German