

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 | President

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