

DEEPTI SHARMA

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Dedicated professional developing, designing, testing, and maintaining code, ensuring user needs and industry standards are met. Drives excellence across the entire software development lifecycle, from initial design to deployment and ongoing maintenance, collaborating with teams, gathering requirements. Key skills:

- **Programming Skills:** Python, Robot Framework, Selenium, SQL, C++
- **Technology:** GIT, Docker/Podman, Ansible, Linux, JIRA, Testing Platforms
- **Soft Skills:** Problem Solving, Curious, Logical Thinking, Self-Learner, Team Player, Event Organizer, Compliance

EXPERIENCE

Dell Technologies, Toronto, ON, CA

June 2021 – July 2025

Software Developer 2

Designed and implemented automated test cases using Robot Framework and Python, ensuring robust and wide-ranging test coverage. Performed manual, automated, and regression testing for critical 5G network features, focusing on performance, reliability, and mobility services.

- Gained hands-on experience with a variety of UE simulators, including Simnovus, Viavi, and Keysight, to validate real-world scenarios.
- Played a key role in developing and maintaining detailed test plans, test cases, and test reports using QTest.
- Verified call flows across F1, E1, and NG interfaces, involving components such as CUCP, CUUP, DU, RU, and 5GC.
- Utilized tools like Wireshark, TCPdump, iPerf, and Spirent for protocol analysis, traffic simulation, and load testing.
- Monitored CI/CD pipeline runs proactively to identify defects early and improve overall test effectiveness.
- Set up and managed end-to-end (E2E) test environments to evaluate network performance, interoperability, and system reliability under real-world conditions.
- Collaborated closely with developers to test pull request builds, troubleshoot issues, and ensure smooth feature integration.
- Delivered knowledge-sharing sessions on wireless technologies, coding standards, and architectures, contributing to team growth and skill development.

Centennial College, Toronto, ON, CA

September 2023 – Present

Professor

Teaching Software Development to students, driving successful completion of project work and assignments.

Ciena, Ottawa, ON, CA

November 2019 – December 2020

Test Software Engineer

Scripting for Automation of VLAN setup using PowerShell. Web Scraping using Python libraries like BeautifulSoup, Pandas for fetching data from web pages and getting the result in a CSV file.

- Knowledge regarding firewalls and maintaining confluence pages.
- Setting VLANs, Multiple desktop setups, and other functionalities for shipping stations.
- Exposure to SourceTree, Bitbucket, MCS, Putty, Visual Studio, CoPilot etc.

University of Ottawa, Ottawa, ON, Canada

September 2020 – December 2020

Teaching Assistant

Responsibilities include taking the lab of students, teaching them the programming concepts for the course "Advanced Programming Concepts with C++". Conducting group discussions for students and handling queries individually.

Infosys Limited Multinational Company, Chandigarh, INDIA

July 2018 – August 2019

System Engineer

Experience working with WebSphere Application Server. Knowledge of IBM Urban Deploy tool for deployment of Web application services in production, UAT and SIT environments. Deploying EAR, WAR files on the WebSphere application server and configure various resources for configuration.

- Implement configuration changes/Code fix as per the application changes/user requirement as part of different Releases.
- Working on Data Extraction from the application database for bug fixes and user guidance.
- Understanding the application requirement, Code walkthrough of the application in case of any Enhancement/bug fix.
- Exposed to SNOW, Shartracker, etc.; worked on Incidents and troubleshoot issues by checking log files, etc..

EDUCATION

Master of Engineering (M. Eng.) in Electrical & Computer Engineering

September 2019 – January 2021

University of Ottawa, Ottawa, ON, CA, GPA: 3.9

Bachelor of Technology (B. Tech.) in Computer Science

August 2014 – June 2018

Punjab Technical University (GNDEC) , Ludhiana, Punjab, INDIA, GPA: 3.7

PROJECTS

Portfolio: Django, Python, PostgreSQL - A Portfolio Using Django

Certificate Generation System: PHP, HTML/CSS/JS. OpenCV - Generate Certificates With Different Templates

Content Management System: PHP, SQL - A Basic CMS Where People Can Write Articles And it Will Be Displayed On The Home Page.

Chatting System: PHP, SQL,JS/Bootstrap - A Chatting System Made in PHP where Images Can Also be Sent And Compressed

ACHIEVEMENTS & ACTIVITIES

Blog writing: <https://deepti96.wordpress.com/>

Hacktoberfest

Event organized by Github & Digital Ocean

Hackathon

Remote Hackathon organized by a team of Rajasthan, INDIA

Participated Google Code-In (GCI) By Google, Contributed to open source projects

2017

Got selected amongst the top 20 Business plan teams from all over PTU colleges

2016

Tap Business Plan Competition

C for Coders Event

2015

Third prize in college event