Deepti Sharma

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Skills

Programming Skills: Python, Robot Framework , SQL, C++
Personal Skills: Problem Solving, Curious, Logical Thinking, Self Learner, Team Player, Event Organiser
Technologies Used;: GIT, Docker/Podman, Ansible, Linux, JIRA, Testing Platforms

Education

University of Ottawa   *Ottawa,ON,CA*
MASTER OF ENGINEERING IN ELECTRICAL & COMPUTER ENGINEERING   *Sep 2019 – Jan 2021*
GPA: 3.9

Punjab Technical University (GNDEC)   *Ludhiana,Punjab,INDIA*
BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE   *Aug 2014 – Jun 2018*
GPA: 3.7

Experience

Dell Technologies   *Toronto,ON,CA*
SOFTWARE DEVELOPER 2   *June 2021 – July 2025*

• 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.
• Actively monitored CI/CD pipeline runs 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*
PROFESSOR   *Sep 2023 – PRESENT*

‣ Teaching Software Development related courses to students. Helping them with their project work and Assignments.

Ciena   *Ottawa,ON,CA*
TEST SOFTWARE ENGINEER   *Nov 2019 – Dec 2020*

• 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*
TEACHING ASSISTANT   *Sep 2020 – Dec 2020*

‣ 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 their queries individually

Infosys Limited Multinational Company   *Chandigarh,INDIA*
SYSTEM ENGINEER   *July 2018 – Aug 2019*

- 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, and Worked on Incidents and troubleshot the issues by checking log files, etc.

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

Portfolio
Django, Python, PostgreSQL

A PORTFOLIO USING DJANGO

Achievements & Activities

Oct 2020	**Hacktoberfest**, Event organized by Github & Digital Ocean
June 2020	**Hackathon**, Remote Hackathon organized by a team of Rajasthan,INDIA
2017	**Participated Google Code-In (GCI) By Google**, Contributed in open source projects
2016	**Tap Business Plan Competition**, Got selected amongst the top 20 Business plan teams from all over PTU colleges.
2015	**C for Coders Event**, Third prize in college event
Present	**Blogging**, Blog writing: https://deepti96.wordpress.com/