

Varsha P

Test Engineer

Engineer with an interest in developing and implementing comprehensive testing strategies, I am seeking a role that will allow me to explore and apply knowledge gained and also open for exploring different domains for the development of the organization and self.

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Hassan, Karnataka, India

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EDUCATION

MTech - Digital Electronics and Communication Systems (DECS)

Malnad College of Engineering, Hassan

2019 - 2021

Hassan, Karnataka

BE - Electronics and Communication Engineering (ECE)

Government College of Engineering, Hassan

2015 - 2019

Hassan, Karnataka

WORK EXPERIENCE

Senior Engineer

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09/2021 - 08/2022

Bangalore, Karnataka

Tasks

- Completed generic training in C, Python and basics of networking and worked in the Broadcast domain as Test Engineer.
- Manual validation of router features and GUI validation. REST APIs testing using Postman.
- Dockerizing and deploying applications. Inspecting code quality and security testing using tools.
- Good experience as a tester with agile methodology software testing model.
- Proficient in test planning, test case creation, execution and analysis. Documenting test results and preparation of test reports for review.
- Conducted thorough regression testing on critical software updates, ensuring that product releases were consistently error-free and met customer expectations.
- Automation testing using DT Automator framework.
- Involved in test case review meeting with business analyst and Product manager.
- Involved in Sprint planning meeting, Daily stand-up meeting, team review meeting and sprint retrospect meeting.
- Worked on network utilities such as wireshark, dig, nslookup, netcat, wireshark. Understanding and validation of testing comprises of features such as TCP/IP, UDP, ICMP, DHCP, DNS, DynDNS, SSL, VOIP.

SKILLS

Programming languages: C, Python.

Operating Systems: Windows, basics of Linux.

Tools: Sonarqube, FossilID, MobaXterm, Kiuwan, Postman, Lumericals.
Configuration Management Tools: GIT, JIRA.
Documentation Tools: Microsoft word, Microsoft Excel, MS Powerpoint.
Network debugging tool: Wireshark.

Proficient in manual testing, test case design and testing activities.
Knowledge on SDLC, STLC.
Experience in defect tracking and reporting.
Strong problem solving skills.

ACADEMIC PROJECT

Photonic Crystal Based Bio-Sensor Using Rhombic Ring Resonator for Cancer Cell Detection.

- **Software Used:** Lumerical
- **Project Description:** Photonic crystal based bio sensors are the new type of optical sensor which detects cancer cells based on their refractive indices.
- Sensor is designed by creating rhombic ring structure using holes in silicon slab. When the sensor is filled with analyte it differentiates cancer cells and normal cells by their difference in refractive index.

CERTIFICATES

- Successfully completed 16 weeks internship at Loginware Softtec Pvt Ltd on 'IoT using Raspberry Pi and Machine Learning' in January 2021.
- Successfully completed NPTEL Online Certification Course conducted by IIT, Madras on 'Python For Data Science' and secured a score of 84% with Elite + Silver Badge.
- Published IEEE conference paper titled "Photonic Crystal Based Bio-Sensor using Rhombic Ring Resonator for Cancer Cell Detection" at IEEE Connect 7th international conference, 2021.

LANGUAGES

English
Full Professional Proficiency

Kannada
Full Professional Proficiency

Hindi
Limited Working Proficiency