Rishabh Singh

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EDUCATION

National Institute of Technology   Patna, India
Bachelor of Technology in Electrical Engineering; GPA: 7.43   Aug. 2016 – Jun. 2020

EXPERIENCE

Capgemini   Bengaluru, India
Associate Consultant   Oct 2020 - Present
- 2 years of analyzing, designing, developing and delivering end to end process automation solutions on Operating Systems, Network, Storage, Database which reduced full time effort.
- Delivered more than 20+ automation cases with exhaustive testing achieving full satisfaction from the client.
- Developed Dynamic workflows to manage complex tasks using orchestration tool like MFOO/HPOO.
- Developed a in-house Web Application called Bot in the Box using Django Framework which can deploy automation bots instantly (less than 5 mins) according to selected configuration in the web application
- In addition to the technical expertise, also part of interacting with other teams for requirement gathering, performing UAT's, production deployments, client presentations on developed products.

PROJECTS

Bot In The Box | *Python, Django, Javascript, MySQL, Powershell*   April 2022 – Present
- Developed a full-stack web application using Django framework which can deploy automation bots according to configuration selected into clients environment instantly(less than 5 mins).
- Used Powershell and MFOO to develop patching flows and Bots which can patch OS using various tools such as TEM, WSUS, SCCM etc.
- Deployed solutions have successfully reduced FTE and increased intuitiveness of patching process with an compliance of 98%

Control system design of a drone using ROS. | *ROS, Python*   Jan 2019 – Apr 2019
- Worked on ROS platform to design the PID control scheme for the Drone using Python and it's modules such as OpenCV, pandas. (developed in less than 3 months).
- Used OpenCV library of python for image processing (detected RGB LEDs using a USB camera with accuracy greater than 80%

GUI On Raspberry Pi For LAPV Based Electronic Tongue System . | *R.Pi., Python*   Jul 2019 – Apr 2020
- Developed a front-end interface for rendering and data log of signal from Electronic Tongue using Tkinter and Matplotlib library of Python.
- Replaced the front end PC based software which requires buying costly software like LabView to acquire and interpret data.

TECHNICAL SKILLS

Languages: Python, SQL (MySql), JavaScript, HTML/CSS, Powershell
Frameworks: Django, Bootstrap, Node.js, Django Rest Framework
Developer Tools: Git, Vagrant, MFOO, ServiceNow, VS Code, Visual Studio, PyCharm, IntelliJ

ACADEMIC ACHIEVEMENTS

- Winner of Tata Crucible Hackathon 2020 (East Zone). Devised and Engineered a Queue manage system to reduce congestion in Airports for Vistara airlines.
- Secured 5th position on National level in E-Yantra Robotics competition 2018 (Conducted by IIT Bombay). Engineered a Control system for a Drone (Pollinator bee).
- First Runner up in SMDC 2018 , Conducted by Robotics club NIT Patna. Built a Robot with 2 arms which can traverse on a track while storing balls.