Faisal Ali

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# Skills

* Languages: Python
* Database: PostgreSQL
* Version Control: Git
* API: REST
* IP Network
* Libraries: Paramiko, Netmiko, ipaddress, Openpyxl, WxPython, NumPy, Pandas, Matplotlib, Seaborn
* Others: Jupyter Notebook, Microsoft Visual Code Studio, PyCharm IDE

# Projects

**Protocol Converter** (May, 2020 - Ongoing) - [github.com/Fa1sal-ali/protocol\_converter](https://github.com/Fa1sal-ali/protocol_converter)

* In this project we will be converting the routing protocol from Static to BGP for PE & CPE routers for MPLS and Internet links.

**SNMP Tester** (Mar - Apr, 2020) -[github.com/Fa1sal-ali/snmp\_tester](https://github.com/Fa1sal-ali/snmp_tester)

* A CLI based tool used for pinging loopback IP's and running SNMP protocol for routers from a server and reporting the same.

**Last Mile Verifier** (Feb - Mar, 2020) -[github.com/Fa1sal-ali/last\_mile\_verifier](https://github.com/Fa1sal-ali/last_mile_verifier)

* A CLI based tool used for pinging multiple WAN pools and checking router reachability from a server and reporting the same.

**Everest CSV Creator** (Nov - Dec, 2019) -[github.com/Fa1sal-ali/ec2](https://github.com/Fa1sal-ali/ec2)

* A data analytics project in which we fetch data from multiple sources and generate required CSV using data analytics technique.

**CEN L2VPN Tool** (Sep - Oct, 2019) -[github.com/Fa1sal-ali/cen\_l2vpn](https://github.com/Fa1sal-ali/cen_l2vpn)

* A CLI based tool able to SSH Cisco ASR9K Routers and extract the status of L2VPN service and report the same.

**Router Configuration Tool** (Jun, 2019 - Ongoing) -[github.com/Fa1sal-ali/router\_configuration\_tool](https://github.com/Fa1sal-ali/router_configuration_tool)

* A CLI based tool for generating templates for CISCO/HUAWEI/MAIPU routers for configuring customer end routers.

**Handover Tools** (May - Aug, 2019) -[github.com/Fa1sal-ali/handover\_tool](https://github.com/Fa1sal-ali/handover_tool)

* Developed a tool backend as well as frontend and customized for 3 different teams for saving handover data in real time.

# Work Experience

**Bharti Airtel** **–** Executive (IP/MPLS Testing & Automation) May,2019 – Ongoing

* Developing tools and applications using Python.
* Writing and maintaining scripts in Python.
* Supporting and bug fixing of apps based on user feedback.
* Working with different vendors like Cisco, Juniper, Huawei for automating manual tasks on routers.

**Bharti Airtel** **–** Executive (Service Quality - Optics) Jan,2017 – Apr,2019

* Handling Optical Transmission Network (OTN, WDM, SDH) of Bharti Airtel.
* Fault management and troubleshooting in NMS along with proactively monitoring alarms and threats of network.
* Taking care of acceptance testing of network devices.
* Ensuring diversity of mobility circuits for 3 circles to avoid critical BSC isolations.

**Bharti Airtel** **–** Graduate Engineer Trainee Aug,2016 – Dec,2016

* Visiting various departments throughout Airtel.
* Learning various technologies being used in network.

# Certification/Course:

* Cisco Black-Belt – DevNet Application Developer – Stage 1 FY20 (Partners Only) (Apr, 2020)
* [PCEP-30-01] PCEP – Certified Entry-Level Python Programmer (Nov, 2019)

<https://www.youracclaim.com/badges/55946917-80ff-4e6f-a482-edf366a01412/linked_in_profile>

# Education

* **Hindustan College of Science & Technology -** B. Tech (ECE) Aug, 2012 – July, 2016
* **St. Georges College -** Intermediate (PCM) Apr, 2011 – Mar, 2012
* **St. Georges College –** High School (Science) Apr, 2009 – Mar, 2010