

# Faisal Ali

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**Portfolio:** [fa1zali.herokuapp.com](https://fa1zali.herokuapp.com)

## Skills

- Proficient in Python.
- Experienced in IP Networks.
- Familiar with Git, PostgreSQL, Django, HTML, CSS, Bootstrap, Jupyter Notebook.

## Projects

### Vulnerability Checker (July 2020 - Ongoing)

- Cisco releases security advisories for vulnerabilities found in their routers. In this project we are creating a database for the vulnerabilities with their specific commands for checking on router and will be using python for triggering commands and analyzing the output, based on that output what necessary action needs to be taken against it.

### Network Analyzer (July 2020 - Ongoing)

- A tool for checking CPE router reach-ability through PE, ACL status for WAN and Loopback IP at PE and SNMP status of CPE for MPLS network.
- [github.com/Fa1sal-ali/analyzer](https://github.com/Fa1sal-ali/analyzer)

### Testing Toolbox (June 2020 - Ongoing)

- In this project we are migrating our prebuilt scripts to a Django based web app for increasing user reachability and be more appealing.
- [github.com/Fa1sal-ali/testing\\_toolbox](https://github.com/Fa1sal-ali/testing_toolbox)

### Protocol Converter (May 2020 – June 2020)

- In this project we are converting the routing protocol from Static to BGP for CPE routers for MPLS and Internet links.
- [github.com/Fa1sal-ali/protocol\\_converter](https://github.com/Fa1sal-ali/protocol_converter)

### Everest CSV Creator (Nov - Dec 2019)

- A data analytics project in which we fetch data from multiple sources and generate required CSV using data analytics technique.
- [github.com/Fa1sal-ali/ec2](https://github.com/Fa1sal-ali/ec2)

### CEN L2VPN Tool (Sep - Oct 2019)

- A CLI based tool able to SSH Cisco ASR9K Routers and extract the status of L2VPN service and report the same.
- [github.com/Fa1sal-ali/cen\\_l2vpn](https://github.com/Fa1sal-ali/cen_l2vpn)

## Router Configuration Tool (Jun – July, 2019)

- A CLI based tool for generating templates for CISCO/HUAWEI/MAIPU routers for configuring customer end routers.
- [github.com/Fa1sal-ali/router\\_configuration\\_tool](https://github.com/Fa1sal-ali/router_configuration_tool)

## Handover Tools (May - Aug 2019)

- Developed a tool backend as well as frontend and customized for 3 different teams for saving handover data in real time.
- [github.com/Fa1sal-ali/handover\\_tool](https://github.com/Fa1sal-ali/handover_tool)

## Work Experience

### Executive (IP/MPLS Testing & Automation) – Bharti Airtel

Jan 2019 – Present

- 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.

### Executive (Service Quality - Optics) – Bharti Airtel

Jan 2017 – Dec 2018

- 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.

### Graduate Engineer Trainee – Bharti Airtel

Aug 2016 – Dec 2016

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

## Certification/Course:

- [PCEP-30-01] PCEP – Certified Entry-Level Python Programmer (Nov 2019)  
[https://www.youracclaim.com/badges/55946917-80ff-4e6f-a482-edf366a01412/linked\\_in\\_profile](https://www.youracclaim.com/badges/55946917-80ff-4e6f-a482-edf366a01412/linked_in_profile)

## Education

- **B. Tech (ECE)** - Hindustan College of Science & Technology (A.K.T.U) Aug 2012 – July 2016  
Aggregate Marks: 72.06%
- **Intermediate (PCM)** - St. Georges College (I.S.C) Apr 2011 – Mar 2012  
Aggregate Marks: 76.16%
- **High School (Science)** - St. Georges College (I.C.S.E) Apr 2009 – Mar 2010  
Aggregate Marks: 78.85%