

# MIHIR PITALE

Kansas City, MO | (816)-786-1704 | [mmpv3w@mail.umkc.edu](mailto:mmpv3w@mail.umkc.edu) | [linkedin.com/in/mihir-pitale-618168136](https://www.linkedin.com/in/mihir-pitale-618168136)

**NETWORK ENGINEER** (Network Analyst and administration | Network Installation and configuration)

A graduate student pursuing M.S degree in Electrical Engineering (Computer Networking) at UMKC. A proven track record for installing, configuring and troubleshooting routers, switches and networks. Excel at learning new technologies. Cross-functional team collaborator and an excellent communicator with the ability to focus in a high-energy fast paced environment

## TECHNICAL SUMMARY

- Deployment of DHCP, DNS, FTP, EIGRP, OSPF, RIP protocols in cisco packet tracer as well as hardware router configuration. Installed and configured routers including 1800, 2500 along with switches 3750
- Core Competencies include Network Support, Network protocols, Cisco devices, network analysis and troubleshooting, Load Balancing, Install and configure servers, Wireshark for analysis, GNS3, Putty, Cisco Packet Tracer, Firebase
- Intermediate level knack of strategy and deployment of AWS cloud-based technologies like EC2, S3, Route 53, Elastic IP'S, EPC, Cloud watch, Cloud front and ELB to implement fault tolerance

## EDUCATION

**University of Missouri – Kansas City | Master of Science**, Electrical Engineering August 2017- present | GPA: 3.75

**Cisco Certified Network Associate R&S**

Link- [https://www.youracclaim.com/badges/3bf857e2-0d1a-4c23-bdd9-9eaa33277c80/linked\\_in\\_profile](https://www.youracclaim.com/badges/3bf857e2-0d1a-4c23-bdd9-9eaa33277c80/linked_in_profile)

**Red Hat Certified System Administrator** (attempt) - certification ID number is 180-191-454.

**University of Mumbai | Bachelor of Engineering**, Electronics and Telecommunications August 2016 | GPA: 3.50

## WORK EXPERIENCE

**Technical Student Assistant | Information Services at University of Missouri | Kansas City, MO** March 2018 – Present

- Maintained availability of hardware and software, troubleshooting all lab workstations.
- Resolved problems for clients and provide feedback to team leadership.
- Attended and redirected telephone and email queries to the call center and information services office.

**Installation Engineer | LIGHTANDMAGIC Automation, Mumbai, India** June 2016 – November 2016

- Designed smart home automation architecture for the company using motion sensors and acurators
- Configured Industrial TCP/IP router monitoring device Cisco 2800 Series to achieve ethernet connectivity for serial PLC
- Provided connectivity between factory LAN and machine LAN using Cisco 2811 series router mutually

## ACADEMIC PROJECTS

**Wireshark (BGP updates) and Cisco Router Configuration** January 2018 – May 2018

- Performed packet captures and sniffing to monitor the ingress/egress traffic going through the network
- Worked with embedded BGP widgets showing routing activity by extracting Routing history, AS number common route
- Usage of Cplex for calculating load balancing for optimized best path and cost in BGP and MPLS configuration
- Deployed RIP and OSPF protocol in network of multiple routers in cisco packet tracer

**Virtual VM'S vs cloud-based Docker Analysis** January 2018 – May 2018

- Comparison of different parameters between cloud-based docker and VM's performance
- Calculation of GPU time and creation of 3-node cluster running through virtual swarm app

**SQL Injection and Snort Implementation** January 2018 – May 2018

- Developed our own hackable website using maven build and eclipse compiler and processed it on local host
- Performed tautology SQL injection statements and hacked our website successfully along with manipulation of data
- Prepared a database on p4admin using PostgreSQL tools
- Defended the website by installing and applying snort rules using IDS/IPS techniques

**Socket programming (chat server) and Web Server Deployment** August 2017 – December 2017

- Programmed a chat socket program with one server and multiple clients on different pc's using UDP in GENI
- Hosted personal website and deployed virtual web server in GENI virtual cloud
- Deployed and configured DNS, HTTP AND FTP server virtually on GENI

**2x2 MU-MIMO 802.11ac** August 2017 – December 2017

- Worked on down-link schemes for calculating efficient bit error rates with MMSE
- Calculated SIC (Signal Interference Calculation) and DPC by programming MATLAB code with 2 transmitters and receivers

**Predict Maze (Android Studio, IOT)** August 2017 – December 2017

- Successfully developed a predictions trivia game under guidance of FANTHREESIXTY team
- Hands on Android studio with intermediate sense of app development and coding
- Worked with firebase database for storing apps data successfully and hosting it on private domain server

## PUBLICATIONS

- Mihir Pitale, Riya Patil, Tanvi Patil, "Fuzzy Diagnosis of Biomedical Images", at International Journal of Computer Applications, New York, USA (IJCA). (Issue ISBN: 973-93-80892-55-3)