

# HARSHAL CHAUHAN

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## EDUCATION

### NY-PACE University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Computer Networking and Telecommunication Systems | GPA: 3.82

May 2018

**Relevant Coursework:** Computer Networking and Internet, Information Security & Controls, Data Communications and Network, Simulation and Computer Network analysis, Optical Communication and Network, Wireless Communication, Security in Computer Networking, Operating Systems(OS) –Mac, Linux and Windows 7,8 &10, Information system principles.

### University of Mumbai, D. J. Sanghvi College of Engineering

Mumbai, Maharashtra

Bachelors in Electronics (BE) and Telecommunication Engineering | GPA: 4.0

June 2016

### Maharashtra State Board of Technical Education, Thakur Polytechnic

Mumbai, Maharashtra

Technical Diploma in Electronics & Telecommunication Engineering | GPA: 4.0

May 2013

## ADDITIONAL TRAINING

Successfully Completed a Certified course in Network Administration from Lynda.org -Networking basics, IP addressing, Network LANs, Network WANs, Protocols and CLI tools, Network troubleshoot, IP Sub netting, Network Support, Security.

## SKILLS

**Technical:** MATLAB, Eagle PCB, Desktop application, Cisco packet Tracer, Microsoft Office, Linux, Outlook, Anti-Virus, Alteryx.

**Languages:** C, C++, Java, SQL.

**Hardware:** Microcontroller Board, Software Upgrading, PCB Designing, Peripherals, Network Equipment, Desktop Support

**Protocols:** OSI, TCP/IP, FTP, DHCP, HTTP, DNS, SMTP, UDP, LAN, WAN, RIP, OSPF, VPN, Network Infrastructure.

## PROFESSIONAL EXPERIENCE

### HIGHLINE LLC- Information Technology Intern (New York, NY)

Oct 2017 – PRESENT

- Provided Direct technical assistance and support to the staff for network, software and Hardware components.
- Provided backup technical support for networks including routers, firewall and wireless access points.
- Supervised Cisco Meraki Cloud infrastructure and monitored network administration.
- Worked on automation tools to create and automate scripts and performed Network troubleshooting.

### TEJ Controls System Pvt. LTD – Intern (Mumbai, India)

Jun 2014 – Aug 2014

- Worked on the SCADA system to maintain a database on a regular basis using SQL database tools including reporting.
- Monitored Network/Systems security and Network troubleshooting to maintain IT support.
- Analyzed customer demands and delivered effective application solutions to increase their productivity by 30%.

## TECHNICAL PROJECTS

### Image Steganography and Watermarking in MATLAB

December 2017

- Performed coding, algorithms and compiled the program in MATLAB for Image steganography and watermarking to secure the information transmitted over the network and circumvented loss of Data.

### Binomial Theorem in MATLAB

April 2017

- Implemented the code for Binomial Theorem in MATLAB and evaluated results to automate probability equations.

### Bit- Byte Stuffing and De-stuffing

December 2016

- Implemented Bit and Byte Stuffing Operation to isolate data within a larger data so the whole data set is not interpreted as a control group and maintained IT support.
- Formulated Java codes and algorithms and compiled Bit and Byte Stuffing and De-stuffing.

### Smart Navigator, Final Year Project

March 2016

- Interfaced psoc4 with text to speech conversion, GPS device and a wireless network device ZigBee.
- Designed this embedded and wireless based technology to help a visually impaired person to safely find their destination by detecting obstacles in their path using Ultrasonic sensors.
- Outlined the design of Circuit schematic for wireless remote control in Eagle Schematic Software and executed programs related to Ultrasonic sensor.
- Formulated the Methodology behind the project and Connected Hardware.

## ACTIVITIES / VOLUNTEER WORK

- Published and presented technical paper on Smart Navigator at Techno Focus.
- Headed the Microcontroller based ADC Application temperature sensor project in a team.

## ACHIEVEMENTS

- Awarded the 'Best Student Rank' Trophy in Final Year of Diploma.
- Awarded Scholarships from JRD TATA TRUST for two consecutive years.