

# ANSHUL MEHTA

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## Work History

- Bhaskaracharya Institute For Space Applications (BISAG)** (Intern) – Gandhinagar, India [Dec '17 - Mar '18]
- Developed an advanced electronics-based **smart mobility** aid for the **visually impaired**.
  - Developed a prototype for a sensor-based mobility aid that uses mobile **Real-time Dangling Objects** Sensing (RDOS). This **embedded device** was developed using **micro-controllers** and different sensors that helps a visually challenged person to safely navigate through different surroundings.
- IIM-A Center For Innovation Incubation And Entrepreneurship (Jr. Data Analyst)** – Ahmedabad, India [Feb'16 - Mar'16]
- Performed secondary research and applied **statistical analysis** to note trend of equity investments in Indian startups.
  - Worked on deal analysis on top 20 startups of Times of India power ideas program. Identified and documented project constraints, assumptions, business impacts and risks.
  - Responsible for **bridging communication gap** between new startups and investors.

## Skills

- **Programming Languages:** C, C++, C#, PHP, SQL, Java, Python, HTML, and CSS
- **Network Security** – Firewalls, IPsec, VPN, and SSL
- **Network Protocols** – basic knowledge on L2, L3 protocols like TCP, UDP, HTTP, FTP, DNS, DHCP, SNMP, and SMTP
- **Network Tools** - Experience with CISCO Packet Tracer, VMware, Wireshark, riverbed OPNET.
- Pursuing CCNA (routing & switching) Certification
- Basic knowledge of 802.11 a/b/g/n/ac, 802.16, routing protocols(OSPF), OFDM/MIMO, subnetting, Bluetooth and RFID.
- **Microcontroller/Microprocessor:** 8085, 8086, Arduino Uno
- Familiar with Windows, Linux (Ubuntu), Mac

## Education

**Masters Of Science in Computer Science**, 2020

**Texas A&M University** - Kingsville, TX , (GPA- 3.87)

**COURSES:** Operating systems, Compiler design, Computer communication networks, Realtime systems , Software engineering

**Bachelor Of Engineering In Computer Science**, 2018

**Charotar University Of Science And Technology** - India

**COURSES:** Computer networking and inter-networking layers , Cryptography and network security, Internet of things  
Wireless communication & mobile computing, Software project management and quality assurance, Microprocessor & interfaces

## Projects

- Developed a hospital management system using visual studio with front end done in **javascript** and backend done in **C#**. [Aug'16 - Nov'16]
- Simulated a cluster and displayed fast file transfer in a **Linux cluster**.
- Used **Opnet** Riverbed modeler to simulate different types of networks: I developed two OPNET models and one real network model with network devices for an **enterprise network** in order to stimulate the use of **network applications** and different network traffics. [Sept'18 - Nov'18]
- Simulated a **wireless LAN** with mobile workstations to run an **FTP application** to upload files to the server to study the effect of node mobility on the performance of the **TCP** connection for the FTP session and also the role of the request to send (RTS) and clear to send (CTS) frames in avoiding the hidden node problem usually induced by mobility in wireless LAN. [Sept'18 - Nov'18]
- Compared the performance of **different protocols** in a **Adhoc** network. [Aug'17 - Nov'17]
- Used **C# application** to create a **Virtual WiFi Adaptor** or hotspot , used visual studio with .Net framework 4.0 , also used **VBScript** to enable internet **connection firewall**.