



Academic Details			
Year	Degree	Institute	CGPA/Marks(%)
2022	M.Tech Computer Science and Engineering(2 year)	Indian Institute of Technology Hyderabad	8.32
2020	B.Tech in Information Technology	K.I.E.T Group Of Institutions, Ghaziabad	87.35%
2015	XII (C.B.S.E)	Kendriya Vidyalaya, AFS, Sulur	86.2%
2013	X (C.B.S.E)	Kendriya Vidyalaya No. 2, AFS, Tezpur	10

### Projects

- **M.Tech Thesis: SFC Placement using VNF-reuse with vertical scalability** (Jun 2021 - Present)  
(Guide: Dr. Antony Franklin)
  - Aims at identifying the optimal number of Virtual Network Function instances to be deployed
  - Reducing Fundamental Resources Overhead cost
  - Ensuring end to end delay of the service function chain is met
- **Secure Chat using OpenSSL and Man in the Middle Attacks** (Jan 2021 - April 2021)  
(Course Project)
  - Designed secure chat app that uses TCP and TLS as underlying protocols for reliable chat
  - Designed a program to perform downgrade attack
  - Designed a program to perform MITM attack to tamper the chat communication
- **Smart Parking System** (Jan 2021 - April 2021)  
(Course Project)
  - Created Internet of Things based smart parking system
  - Simulation model that works with Paho MQTT
  - Automated parking system that simplifies the issues of transport mobility
- **Information Retrieval Based Chatbot** (Sept 2020 - Nov 2020)  
(Course Project)
  - Created a model that predicts the relevant utterance to the given context

### Skills

- **Programming Languages:** C/C++(Proficient), Python(basics), Core Java
- **Tools and Technologies:** Wireshark, LaTeX
- **Web Technologies:** HTML, CSS, MySQL
- **Computer Science:** Data Structure and Algorithms, Database Management Systems, Computer Networks, Operating Systems

### Relevant Courses

Advanced Data Structures and Algorithms, Wireless Networks & Security, Network Security, Information Retrieval, Linear Optimization, Internet of Things

### Scholastic Achievements

- Qualified Graduate Aptitude Test for Engineering (GATE) CS with 99 percentile (2020)
- Achieved **Microsoft Technology Associate(MTA)** certification for Core Java (2018)
- Received **Certificate of Merit** in class 10th (2013)

### Positions of Responsibility

- **Teaching Assistant** for Computer Architecture(CS2323) under Dr. Praveen Tammana (Sept 2020 - Nov 2020)
- **Teaching Assistant** for Operating Systems I(CS3510) under Dr. Sathya Peri (Nov 2020 - Dec 2020)
- **Teaching Assistant** for Operating Systems II(CS3523) under Dr. Sathya Peri (Jan 2021 - May 2021)
- **Event Coordinator** at Innotech at KIET Group of Institutions (2018)

### Extracurricular

- Epoque (Cultural Fest) at KIET Group Of Institutions (2019)
  - **Stood first at Rangoli Competition**
- Innotech (Technical Fest) at KIET Group Of Institutions (2018)
  - Participated in **Coding competition**
- Literary Fest at KIET Group Of Institutions (2018)
  - Participated in **Creative Writing competition**