

# Madhura A

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## ACADEMIC DETAILS

Degree/Examination	Institute	Year	CGPA/%
MTech (CSE)	IIT Hyderabad	2017-Present	8.36
BE (ISE)	SJCE Mysore	2015	9.19
Higher Secondary	VC Puttur	2011	90.3
High School	GVHSS Mulleria, Kasaragod	2009	98.28

## FIELDS OF INTEREST

- Computer Networks, Wireless and Cellular Network, Network Security, Machine Learning

## TECHNICAL SKILLS

- **Languages:** C, C++, Java, c#
- **Database:** MySQL, MongoDB
- **Script:** Python, Shell
- **Tools:** Eclipse,  $\text{\LaTeX}$ , IntelliJ Idea, OpenSSL, Metasploit, OpenNetVM, OpenAirInterface
- **Operating System:** Linux, Windows
- **Testing Frameworks:** Selenium, Fluentlenium, API Testing
- **Simulator:** ns3

## WORK EXPERIENCE

- **Sprinklr Solutions, Bangalore(July 2015 - Oct 2016)** as Software development engineer at test(SDET).
  - The job involved, writing scripts in Selenium framework for automating test cases and manual testing.

## CURRENT RESEARCH TOPICS

- Network anomaly detection in the encrypted network traffic.
- Network function parallelism and service chaining.

## ACADEMIC PROJECTS

- **IoT device usage based user pattern identification:** Frequent patterns from IoT devices are identified using FP growth algorithm and based on that contextual suggestions are given to the users
- **Network anomaly detection using machine learning technique:** Unsupervised machine learning algorithms are applied on the collected network traffic in order to identify the anomalies.
- **A cluster based approach for delay minimization in data collection process in Wireless Sensor Networks:** Delay in the data collection process in WSN is minimized by selecting cluster head efficiently. Slots and allocated to the nodes and scheduled by prioritizing those nodes who have minimum link duration with cluster head.
- **Hostel Application using C#:** This Application provides the details of the hostels near SJCE, Mysore and also gives recommendation to the users.

## STRENGTHS

- Positive Attitude, Social Interaction, Hardworking.

## INTEREST AND HOBBIES

- Solving Puzzles.
- Reading Novels