

# SUMAN MITRA

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## EDUCATION

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**IIIT Hyderabad**

**M.Tech** in Computer Science and Information Security (CSIS)

Department of Computer Science and Engineering

*Aug 2020 - Present*

Overall GPA: N/A

**MAKAUT, WB (formerly WBUT)**

**B.Tech** in Information Technology (IT)

Department of Computer Science and Engineering

*Aug 2012 - Jul 2016*

Overall GPA: 8.06/10

## TECHNICAL SKILLS

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**Computer Languages**

C, C++, Java, SQL, Python (scripting for RDK-B)

**Software & Tools**

CDRouter, Bitbake, Yocto Project, TDK for RDK-B, MVC using Java, JIRA, Selenium WebDriver using Java

## WORK EXPERIENCE

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**Infosys Ltd, Bangalore**

*Senior Systems Engineer*

Oct 2016 - Apr 2019

- Code refactoring and patch customization for MSO layer in RDK-B based Cable Modem using BitBake (Yocto).
- Developed test scenarios for various components of Cable Modem like WiFi and eRouter.
- Designed, executed and debugged functionality and protocol level test cases (Python & TCL scripts) using CDRouter tool.
- Designed, executed and debugged component level test cases (Python scripts) using TDK (Test Development Kit for RDK-B) and Boardfarm testing frameworks.
- Developed CLI automation framework for TDK using Python.
- Built and handled the client side GIT repositories for code modifications.
- Managed JIRA confluence pages.

## ACADEMIC PROJECTS & ACHIEVEMENTS

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**1. InfyTube Project:** Built a video streaming web application using Adaptive Bitrate streaming (MPEG-DASH) with different video categories and user sessions. MVC (Java) architecture used. Hibernate (HQL) in Persistence layer, Core Java in Business layer, JS for the Controller and HTML5, Bootstrap, AngularJS for the Presentation layer.

**2. PyAdventure Project:** Developed a CLI based application for viewing, planning and booking adventure trips using Python 2.7. Oracle 11 used for DB connectivity.

**3. Online Kolkata Metro Reservation System Project:** Developed a sample web application using PHP & WAMP server for Kolkata Metro online ticket booking.

**4. Event Coordinator** for Annual Tech+Cultural Fest twice (AlgoRhythm 2k15 & AlgoRhythm 2k16) in my graduating college.

**5. Scored School Rank: 1 and City Rank: 3 in International Cyber Olympiad 2011.**