SUMAN MITRA

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EDUCATION

IIIT Hyderabad *Aug 2020 - Present*
M.Tech in Computer Science and Information Security (CSIS) Overall GPA: N/A
Department of Computer Science and Engineering

MAKAUT, WB *Aug 2012 - Jul 2016*
B.Tech in Information Technology (IT) Overall GPA: 8.06/10
Department of Computer Science and Engineering

TECHNICAL SKILLS

Computer Languages	C/C++, Java, Python, PHP, MySQL, Oracle 11
Software & Tools	CDRouter, Bitbake, Yocto, TDK for RDK-B, MVC using Java, JIRA, Git, WAMP server, Selenium WebDriver using Java

WORK EXPERIENCE

Infosys Ltd, Bangalore Oct 2016 - Apr 2019
Senior Systems Engineer

· 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 (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.
· Co-developed CI/CD pipeline using Zephyr Integration tool for JIRA.
· Managed JIRA confluence pages.

ACADEMIC PROJECTS & ACHIEVEMENTS

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.