**Key Expertise:**

WLAN Protocols 802.11, LTE, 5G NR, Verification and Validation, Python, Wireshark, Log Analysis.

# Experience Summary

* Working as an Engineer in Larsen & Toubro Technology Services, Bangalore from January 2021.
* Worked at Yoptima Media Solutions as Campaign Analyst with total experience of 6 months.
* Interned at Larsen & Toubro Technology Services.
* Worked at thrustMIt student project, Manipal with total experience of 2 years.
* Interned at ABB Bangalore as Testing ET with total experience of 1 month
* Interned at Nippon Instruments as Testing ET with total Experience of 1 month
* Undergone WLAN Training.

# Work Summary

* Worked at LTTS Bangalore as Intern: Wi-Fi Testing.
* Experience in Client Communication and Status Reporting.
* Excellent Communication, interpersonal skills and team player.
* Worked in high pressure conditions.
* Passionate about learning new skills and a quick learner.
* Attended Genesis Programme conducted by LTTS and cleared the assessment.
* Attended WLAN training and successfully cleared the assessment.

# Certificates

* Python Basics Certificate from HackerRrank.
* Gold Level in Python (HackerRank).
* Bronze Level in Problem Solving (HackerRank)

# Educational Qualification

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| B. Tech | Instrumentation and Control Engineering from MIT Manipal, Completed in 2020 | |  | 77.6% |
| 12th | PCM from L.A.S.E.A in 2016 | |  | 80.33% |
| 10th | P.E.M.H.S in 2014 | |  | 95.04% |
| **Skills** |  | | |  |
| Domain |  | Wi-Fi, 4G, 5G (Basics) Testing , Python Programming | |  |
| Tools |  | GIT, **Wireshark**, Cisco Packet Tracer, Excel(Advanced), Visual Studio Code. | |  |

# Project Details

**Project 1:**

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| --- | --- | --- | --- |
| Project Name | **Wi-Fi Testing** | Duration | **Dec ,2020 – Till Date** |
| Team Size | **1** |
| Description | Testing of Wi-Fi Protocols | | |
| Role &  Contribution | Contribution:   * Developed Prototype which included WLC, Router, Switch, Server, AP etc. using Cisco Packet Tracer. * Responsible for writing complete test cases. * Configured AP and Multiple Client devices. * Responsible for Testing of Login & Registration, Authentication, Association, Encryption, Security, Signal using Wireshark. * Responsible for documentation of Testing Process. * Understood Wireless Standards. * Complete Log analysis of **PCAP file** using **Wireshark**. | | |
| Technologies | Git, 802.11ac & 802.11n technology and 802.11 legacy technologies. | | |
| Tools | Git, Wireshark, Cisco Packet Tracer. | | |

**Project 2:**

|  |  |  |  |
| --- | --- | --- | --- |
| Project Name | **Genesis** | Duration | **3 Months** |
| Team Size | **-** |
| Description | Genesis Program | | |
| Role &  Contribution | Role : Trainee    Responsibilities:   * Understanding the basic concept of OS, Java, C, C++, Android development, Web Development & SDLC * Responsible for developing Calculator, Unit and Roman Converter Application. | | |
| Technologies | Android, GIT, Python, Java, Linux, SDLC | | |
| Tools | ADB, Android Studio. | | |

**Project 3:**

|  |  |  |  |
| --- | --- | --- | --- |
| Project Name | **Design & Development of Sounding Rocket** | Duration | **Sept 2016 - Feb,2018** |
| Team Size | **15+** |
| Description | This project aimed at Design & development of Sounding rocket aimed at deploying 4-Kg payload at an altitude of 10,000 feet in ESRA Competition. | | |
| Role &  Contribution | Contribution:   * Responsible for design and development of Pitot Tube which was used to deploy parachute at apogee. * Responsible for developing ignition system. * Worked in Avionics Dept. focused primarily on Sensing, Electronics and Sensor fusion role. * Worked along with mechanical team for Continuous Testing and Continuous Integration of various functionalities. | | |
| Technologies | C and C++ | | |
| Tools | Arduino Uno and Nano | | |

**Project 4:**

|  |  |  |  |
| --- | --- | --- | --- |
| Project Name | **Summer Internship at IIT-KGP** | Duration | **2 Months** |
| Team Size | **2** |
| Description | 1. Implemented an Research paper based on Partial Relaxation Approach – An eigen value based Direction of Arrival Estimator Framework  2. Worked on Multiple Signal Classifier (MUSIC) Algorithm for fault detection in Squirrel Cage Induction Motor (SCIM) | | |
| Role &  Contribution | Contribution:   * Understanding of ways to read Research Paper * Understanding of various mathematical concepts like SVD etc. * Responsible for writing code using Matlab * Responsible for designing filter for data processing. | | |
| Tools | Matlab | | |