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|  |  | SANDEEP  BIKKUMALLA  Test Engineer |
| Profile Iam a professional post silicon validation engineer, responsible for  documenting, executing and reporting the overall functional test plan and verification strategy for a set of intel chips and Supporting the debug of PCIe PHY IP issues found during post-silicon, bring-up validation, Conduct system performance testing to ensure system reliability, capacity and scalability. Work with testing team to develop performance test plans and cases. Analyze test results and coordinate with development teams for bug fixes   Contact PHONE:  +91-9700343551  ADRESS:  HYDERABAD, INDIA,5000085  EMAIL:  Sandeepbikkumalla1@gmail.com Hobbies SOCIAL NETWORKING  LISTENING to MUSIC  DIY in ARDUINO and raspberry-pi |  | WORK EXPERIENCE[LOCUZ enterprise solutions](intel corporation) [Test-engineer] [10/2020]–[present]   * Functional and performance validation of discrete and integrated graphic chip sets(ADL,TGL,PVC,ICX) * Performance data analyzing and data reporting to concern team. * Regression testing. * First level debug and bug fixing.  [Eidiko system integrators] [Trainee-software engineer] [02/2020]-[06/2020]   * Understanding databases ,inserting & retrieving  data from remote databases. * Deploying a project into the servers like Tomcat. * Scheduling a tasks to run at some point in the future. * Using Spring framework for fast development of EE application. * Clear understanding of webservices and microservices. * Debugging the application to find exceptions  EDUCATIONSRTIST (jntu-h)[B.TECH,ELECTRONICS] [7/2014 – [08/2018]   * Secured 60% in overall academics.   **M.V.R junior college [INTER, state board of intermediate]**  [05/2012]-[07-2014]   * Secured 88% in overall academics.   **BOARD OF SECONDARY EDUCATION [S.S.C]**  [2012]   * Secured 92% in overall academics.   **ACADEMIC PROJECTS**   * ADL (desktop, laptop) PVC(server) * Accident report system on highways using RF * GSM based digital notice board * Pre-paid parking system using i2c interfacing |

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| TECHNICAL SKILLs C, Basic C++, Core java, python  Windows Linux.  Git hub  Spring frame work,hibernate  Microcontrollers.  Arduino, raspberry pi  System bring up  API integration, Hardware integration  Communication protocol[UART i2c spi]  GPIO’s  Debugging skills  RTOS  Shell scripting  IOT  Troubleshooting  Functional validation of chipsets  Performance checks  Effective use of logic analyzers, -oscilloscopes, dediprog, ITP,DCI, lauter batch debuggers.  Basic SQL  Manual tests to automation -conversion using Graphic test automation tools , bash scripts ,python  VMware  System bring up & boot loading  Python for automation TRaININGS Trained in VECTOR INDIA on ADVANCED EMBEDDED SYSTEMS for a period of 6 months. |  | **PERSONAL TRAITS**   * Hardworking * Responsible to the work involved * Simplicity * Creative * Good communication skill  Projects 1 : post silicon validation (intel)  * Worked on power-on for Pontevechhio (compute media ,executions ,power management executions) * S-curve executions between ice lake and Tiger lake and tiger lake to alder lake-s.   **Project 2: Accident report system on highways using RF(academic)**   * Description: using RF technology a switch is arranged at the bonnet portion of the car, if any strong or heavy objects hits the car using RF transitter a alaramed signal is generated  at the receiver end.   **Project 3: GSM based digital notice board(academic)**   * In this project, where an user  can send  message from any remote areas and the message will be displayed on the lcd screen. * Logging data to SD card using i2c communication   **Project 4: Prepaid parking system using RFID(vector)**   * Parking system is made more efficient and more authorized using RFID reader and RFID cardsLogging data to SD card using i2c communication * Logging data to SD card using i2c communication and fetching parking time using DS1307 with i2c interface |

### DIY projects

GSM BASED NOTICE BOARD (4\*16 display)

Water dispenser using IR.

Home automation using ESP8266

Automatic plant watering system using

Moisture sensor

Water purity testing using turbidity sensor

Remote control-based home automation

HOME UPS using relays

Vehicle tracking using GPS.

Surveillance and motion detection using

Raspberry-pi

Line follower robot using L293D

### personal particulars

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