# PANKAJ KUMAR

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Experienced System Test engineer with 6+ years of experience in Hardware and Loop(HIL) System Testing. Seeking a challenging position with Tech Corp. to utilize critical thinking and Technical Skills in a relevant position.

## WORK EXPERIENCE

**Engineer**                                                                                              Aug 2017 - Aug 2020

Mando Corporation, Seoul, Korea

Brake HILS Engineer working on the latest technology of our company is IDB(Integrated Dynamic Brake system) and Fail safe management testing of MGH 100.
OEM:- HKMC, HMC, GEM, GM, FORD, VW.

**Role and Responsibility:**

1.  IDB brake HILS testing of brake and check the new function added in the SW and check it whether this function is working or not with the development team.
2. Integration testing of the SW to check the performance test like ABS ,ESC, TCS and the failsafe test case and FMVSS test case.
3. To verify all the test cases with the CAN Spec.
4. Making the new test cases as per the OEM requirements.
5. Making the test report.
6) Find the defects and root cause analysis.
7) Discuss with the Requirement Engineer and upload the defect on PTC
Tools:- CANoe, CANLYzer, KVASER, IPG Car Maker, CARsim, Visual Studio, PTC Integrity, Enterprise Engineering, eMIDAS, BUSMASTER, CANKING SIMULINK. Gliwa T1
Language Skill:-, Python(basic) MATLAB

**Research Engineer**                                                                                     Aug 2020 - Present

Mando Corporation, Seoul, Korea

HILS System(EPS) Test with Creating and executing the test cases using manual and Automation. Intuitive and detail-oriented in detecting bugs and issues. Resourceful and goes extra mile to complete tasks.
1) 6.5 Years Of Experience in HILs Testing in EPS and Brake System.
2) Currently working as a Specialist Engineer in MANDO Corporation
3. Experience in System Setup and established the Project in HILs Lab like Requirement Analysis, Developing and executing the test as per the OEM Requirement.
4) Defect Logging on PTC and Tracking the Progress of the Defect solution.
5) Hands on Experience on dSPACE, MATLAB, PTC, CANoe, CANape, CAN and UDS

**Role and Responsibilities:**

1) Responsible for Test Case Creation and Setup of HILs Environment for the EPS Project.
2) Currently Working on GEN3 and GEN4 Project in EPS.
3) Responsible for Execution of Test cases on dSPACE Platform HIL Setup and Manual Bench Setup.
4) Responsible for Test Case creation and execution following Aspice rule.
5) Perfroming various type of Testing such as Performance testing, Value added Function(VAF) Testing and Failsafe Testing as per Requirement bases.
6) Responsible for checking All Applicable UDS Services.
7) Responsible for raising the defect on PTC and taking follow-up from PM.
8) Creating Test cases for the new Function for various different projects

## EDUCATION AND QUALIFICATIONS

**B.Tech**                                                                                                Aug 2013 - Jun 2017
Dronacharya Group Of Institution, Greater Noida, INDIA

## SKILLS

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|---|---|
| **CANoe** | Experienced |
| **CANape** | Experienced |
| **dSPACE** | Expert |
| **Control Desk** | Experienced |
| **UDS** | Skillful |
| **System Testing** | Experienced |
| **Functional Safety** | Skillful |
| **MATLAB Simulink** | Experienced |
| **Python** | Intermediate |
| **PTC** | Experienced |
| **Integration Testing** | Expert |