Bhavesh Itankar

Process Automation and Automotive Engineer,
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Skills: Python, PySpark, QGIS, (Automotive) Autosar, Embedded-C.

Education: BE, Electronics

Experience (2years, 10Months):

14th June'2021-Today, MBRDI Bangalore ➔

- Maps Dynamic Data (Collector and validator) Tool Development (MBRDI- June'2021-Today, Bangalore):
  - Team Size: 4 Members (Agile)
  - Project Type: OEM/Product Development and Research.
  - Role: Development and mentoring the team.
  - Description: Development of tool to collect data from online sources and validate the vendor map for the dynamic content of the map.
  - Contribution: Took up tool development completely, it has started a new domain of validation using extrinsic data.

- NDS Validation Script Development (MBRDI- June'2021-Today,Bangalore):
  - Team Size: 9 Members (Agile)
  - Project Type: OEM/Product Validation and Automation.
  - Role: Development of scripts for automated testing of HD maps.
  - Description: Development of test scripts for vendor map against NDS standards.
  - Contribution: Contributed to 30% of scripts, which were under development for validation.

21th Jan'2019-13th June 2021, LTTS Mysore ➔

- Static Code Check Tool Development (L&T-Jan'2021-June 13th'2021, Mysore):
  - Team Size: 18 members
  - Project Type: Client Service/Product Validation and Automation.
  - Role: Deliver modules for an end-to-end solution for AUTOSAR Static Interface testing.
  - Description: Automation of interface testing of AUTOSAR SWC using Python, CANoe, Trace32.
  - Contribution: Developed modules to invoke all the tools using python & suggested architectural changes in the Design of tool. Four new projects where given to the team as the tool was fast and scalable.

- ETL Design & Dash-boarding for L&T Work flow across the verticals(L&T- Jan'2019-Jan'2020, Mysore):
  - Team Size: 6 Members
  - Project Type: Internal/Process Enhancement.
  - Role: Developed extraction modules for task progress following from Polarion, Jira, DOORS & Reviews.
  - Description: Reporting of resource utilization in automotive projects at LTTS & Generating estimated ROI value.

- Contribution: Developed modules for extraction from Polarion, Jira, Review Database and created a tkinter UI for the tool.

- MATLAB Model Development & MIL Testing (L&T- May'2020-Dec'2020, Mysore):
  - Team Size: 19
  - Project Type: Client Service/Tools & Model Development & MIL Testing
  - Role: Development of MBD models and adapt existing MIL framework for LMC electric Truck (Endurance Beta).
  - Description: Development of Simulink & Stateflow models for LMC Endurance Beta electric pickup Truck & perform Mil Test on it.
  - Contribution: Improved Client Mil Test framework, which has then, reduced the time consumption by 10times. Delivered MBD Models for Wiper washer, Infotainment & Lighting.

- AUTOSAR SWC Development (L&T- Jan'2020-May'2020, Mysore):
  - Team Size: 20 Members (Agile)
  - Project Type: Client Service/ADAS-ECU Development
  - Role: Development of feature LROS-SWC for ADAS ECU.
  - Description: Deliver Implementation of feature required by APTIV for Ford Vehicle.
  - Contribution: Developed and delivered requirements for Radar related features in ADAS ECU.

- Automation (of various processes) (L&T- Jan'2019-Jan'2020, Mysore):
  - Team Size: 1
  - Project Type: Internal/ Process Enhancement & Tool Development.
  - Role: Deliver solutions for automation of process in L&T.
  - Description: Automation of repetitive tasks.
  - Contribution: Developed modules for automation of vector cast environment creation.

2014-August 2018, Ramdeobaba College of Engineering & Management (Electronics) Nagpur ➔

- Hydrological conditioning of automatically derived DEM. (RRSC-ISRO-Nov'2017-Feb'2018, Nagpur):
  - Team Size: 4
  - Project Type: Internship/Product Development
  - Role: Deliver a solution for conditioning of fluctuating altitude values formed by correlation of two images from satellite.
  - Description: Headed the team of four members and Delivered a solution using Linear regression models and interpolation. Calculation of altitude of water bodies has helped predict water availability in the region.

- Gesture Controlled computer mouse (AIRx mouse)(RCOEM-2016-2017,Nagpur):
  - Team Size: 4
  - Project Type: College/Product Development.
  - Role: Idea proposal and Innovation Implementation.
  - Description: A mouse that can work in AIR, so that we do not need a surface while presenting.
  - Contribution: Developed software for the Arduino and computer program for the tool.

Awards ➔

- 2nd prize winner at ACCS– ARM DESIGN CHALLENGE 2017 competition. Link:- http://accsindia.org/accs-arm-design-challenge-2017-winners/
- Achieved highest points in L&T training program.