

# Hema Agarwal

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## SNAPSHOT PROFILE:

Accomplished Python developer in automating test case, streamlining processes and optimizing efficiency to drive impactful results. Having 3 year of work experience in Python Development in the Automotive Domain. Knowledge of demonstrating a profound understanding of industry-specific challenges and requirements.

## KEY RESPONSIBILITIES:

- Develop test cases using slash test framework (Similar to Pytest Framework) based on Infotainment feature.
- Develop the tool using python for automation.
- Implemented automation test cases based on product requirement.
- Developing test solutions of Infotainment and Telematics.
- Analyzing the test case failures and Reporting bugs through defect tracking tool like Jira.
- Working on Cloud connectivity components, it is based on Cellular, Wifi & OTA.
- Working on different communication and diagnostic protocols-UDS,CAN/CAN-FD.
- Responsible for Automation and Development for component of automotive ECUs.
- Expertise in debugging and troubleshooting, adept at identifying and resolving issues related to script implementation.
- Providing the project related training to new joiners and interns.

## CAREER GRAPH:

- Wipro Technologies, Bengaluru  
Software Engineer, Sept 2021  
to till date.

## QUALIFICATION:

- 08/2017 – 07/2021: Bachelors of Technology in Computer Science Engineering, Sagar Institute of Science and Technology, Bhopal, Madhya Pradesh  
CGPA – 8.5

## TECHNICAL SKILLS:

- Programming Languages- C, Python
- Library- NumPy, Pandas
- Communication Protocols: CAN
- Framework – Django, Slash, Pytest
- Operating System- Windows, Linux
- Database- SQL
- Tools: GIT, Testrail, Putty, DET(To simulate Can Signals), Jira
- MS Office: Word, Excel, PowerPoint
- Other Skills: Debugging, Problem Solving, Management, Machine Learning

## PROJECTS:

<b>Project</b>	Ford Motors-ECG Automation & Development team
<b>Client</b>	Ontario, Canada
<b>Duration</b>	Sep 21 – Till date
<b>Role</b>	Software Engineer
<b>Description</b>	This project is for the Development of networking ECG Components. Working as a developer to handle two Components. Fixing the defects of test script issues and developing the solutions of new test scenarios. Actively interacting with the customers and onsite coordinators to provide the solutions.

## CERTIFICATES:

- Python for Data Structures – Coursera
- Programming for Everybody- Coursera
- Fundamental of SQL-Sololearn
- C++ Programming -Sololearn

## ACHIEVEMENTS AND AWARDS:

- Finalist of SIH Competition (Smart India Hackathon).
- Exemplar Award in Wipro Technologies, Bengaluru.
- Inspiring Performance Award in Wipro Technologies, Bengaluru.
- Wunderkind Award in Wipro Technologies, Bengaluru.

## TRAITS:

- Good interpersonal skills.
- Ability to work in fast paced work environment with team members.
- Dedicated and always eager to learn new technologies.
- Good analytical and communication skills.
- Self-confident and very quick learner.

## DECLARATION:

I hereby declare that the above-mentioned particulars are true to the best of my knowledge and belief. Place: Bengaluru

(Hema Agarwal)