

# Mayur Wani

Agasti Apartment House No 2, Sambhaji Nagar, Ashok  
Nagar, Satpur, Nashik.

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## Experience

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- Tata consultancy services(Pune)** 24-03-2022 - Present  
Verification and validation Engineer
  - Experience: Around 3 years of hands-on experience in Embedded Testing, Automotive Functional Testing & Cybersecurity Testing.
  - Conducted in-depth Embedded Testing on automotive systems, ensuring software integration met industry standards.
  - Performed Automotive Functional Testing to validate system behavior and compliance with functional requirements, improving test coverage by 25%.
  - Specialized in Cybersecurity Testing of automotive systems, contributing to improved system security protocols.
  - Collaborated with cross-functional teams, working with developers and product teams to ensure seamless integration and testing procedures.
  - Improved testing efficiency by automating key test cases, reducing manual testing time by 30%.
  - Played a crucial role in client interactions, providing detailed reports and updates on testing progress and defect management.

## Education

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- Maharashtra State Board of Technical Education** 2018  
Diploma  
71.15 Aggregate
- Savitribai phule pune university** 2021  
Degree  
7.44 CGPA

## Skills

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- PROGRAMMING LANGUAGES: Python, C
- DIAGNOSTICS: UDS Services, DIDs, DTC
- HARDWARE TOOLS: Cubesuite++, WinSCP, CANOE, Xilinx SDK, Renesas Flash Programmer.
- PROTOCOLS: CAN, SPI, UART, I2C
- VERSION CONTROL TOOLS: JIRA, Jenkins, Bitbucket, Git, Nexus, Docker.
- FRAMEWORKS AND METHODS: Agile, ASPICE

## Projects

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- Functional testing for Volvo CMS(Camera Monitoring system)**
  - Analyzing requirements and designing comprehensive test cases to ensure robust coverage.
  - Executing both white box and black box testing to validate system functionalities.
  - Developing automated test scripts to reduce manual testing efforts and improve efficiency.
  - Performing sanity testing on the latest software releases to ensure stability and functionality of critical features.
  - Documenting test results and reporting them on Confluence for transparent communication and tracking.
- Cybersecurity Security testing for Volvo CMS(Camera Monitoring System)**

- Analyzing cybersecurity requirements and designing targeted test cases to ensure compliance and security integrity.
- Collaborating with stakeholders to gather and document cybersecurity requirements to support secure system design and testing.
- Conducting thorough testing on key cybersecurity features, including:
  1. Personalization
  2. Secure Boot
  3. Secure Diagnostic
  4. Security Protocols
  5. Auto Pairing
  6. Audit Log
  7. Software Update
  8. Life Cycle Management
- Performing sanity testing on secure packages to verify the functionality of critical security features.
- Documenting test results and sharing them on Confluence for cross-team visibility and analysis.
- Assisting other testing teams in resolving cybersecurity-related issues, especially those related to secure board diagnostics.

## **Certifications**

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- ISTQB Foundation Level Certification – International Software Testing Qualifications Board

## **Achievements & Awards**

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- Received an On-Spot Team Award at TCS for delivering exceptional results to the customer.

## **Languages**

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- English
- Hindi
- Marathi