



PERSONAL DATA:

Name : A Dharshini
Sex : Female
DOB : 11.11.1996
Marital Status : Married
Nationality : Indian
Languages : Tamil, English & Hindi
Husband : P Arvind

YEARS OF EXPERIENCE:

3 Years 6 Months

CONTACT:

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91 - 9566247305

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LINKEDIN PROFILE:

<https://www.linkedin.com/in/dharshini-arvind-9b4869194/>



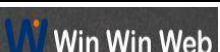
PERMANENT ADDRESS:

No.3, SSR Pankajam Road,
Millenium Enclave, C-Block, 2nd
Floor, Door No. T1, Saligramam,
Chennai - 600093 Tamil Nadu, India.

SNAPSHOT

Experienced Software Engineer skilled in Testing & System Validation of 4D Digital Automotive RADAR (77GHz) for Autonomous Driving & Integrated Safety system and also skilled in Automation Testing, AI/ML, Deep Learning & Python.

WORK EXPERIENCE

Company	Designation	Department	Tenure
 UHNDER	Software Engineer	System QA - Sensor	9 Months
 veoneer	Software Engineer	Automated Driving	1 Year 6 Months
 Win Win Web	Junior Software Engg.	Automation Testing	1 Year 3 Months

SKILL SET

- Domain Tools: Ansys Slwave, CANalyzer, HFSS, MATLAB and Remcom
- Programming Language: C++ and Python
- Algorithm: Machine Learning and AI
- Automation Tool: Selenium IDE

CERTIFICATION

- MATLAB certification course from Coursera
- Fundamentals of Deep Learning for Computer Vision from NVIDIA

PROFESSIONAL EXPERIENCE

Uhnder Design Centre India (Chennai)

Process: System Validation - Sensor Software

Products: 4D Digital Radar

Region: North America

Responsibilities:

- Verification and Validating system level testing for Radar on Chip.
- Developed test cases and test scripts for different modules based on the requirements from the OEM.
- Work closely with the development team to test systems for defects using Scrum methodologies.
- Perform Range, Doppler, Azimuth and Elevation analysis for the given sensor module to achieve OEM requirement.
- Calibrating sensor module to achieve 100% range detection.

Veoneer India Private Limited (Bangalore)

Process: RADAR Simulation and Vehicle Drive Test Post Processing for ADAS

Products & Services: Forward Radar, Rear Radar, Corner Radar and Software release

Responsibilities:

- Analyzing RADAR mounting angle for better detection with respect to ranging & sensing.
- Study & recommending customers on paint thickness for better RADAR performance.
- Development of system simulation in MATLAB for Design verification to meet customer requirements.
- Development of GUI for RADAR post processing activities.
- Hands-on experience in solving EMI/EMC testing standards and also on Signal & Power Integrity.
- Monitoring anomalies between the CAN and Ethernet signal using CAN analyzer tool to check vehicle health.

Process: Automation Testing & Web Development

Responsibilities:

- Performed functional testing for a web based application and will be creating test plan & test strategy.
- Design and Develop test cases from functional requirements and Design specification documents for manual & Automation testing.
- Involved in designing of Automation test cases using Selenium Webdriver, Java & TestNG.
- Enhancing the support for the Excel files using Apache POI.
- Creating a responsive web page using HTML, CSS3, Bootstrap & Angular.

PROJECTS & PUBLICATIONS

- Continuous monitoring of person's body temperature using wearable device and Mobile Application: A prior Identification of COVID-19
 - Published in International Conference "Disruptive Technologies in Information & Communication 2020"
- Refined Imbricate Cryptography with addition of Polygram Substitution Cipher Method: An Encryption tool for Security
 - Published in International Conference "Information Communication & Networking 2020"
- IOT Based Detection of Bore-Well unclosed holes using Automated Drone Operated Cameras in remote areas
 - Published in International Conference "Disruptive Technologies in Information & Communication 2020"
- Predication of street lights in metro cities using time series analysis in Machine learning algorithm
 - Published in International Journal of "Aquatic Science 2021"
- Fault prediction system with face and biometric using convolutional neural networks
 - Published in International Journal of "Aquatic Science 2021"

ACADEMIC QUALIFICATION

<u>INSTITUTION</u>	<u>COURSE</u>	<u>BOARD / UNIVERSITY</u>	<u>YEAR OF PASSING</u>	<u>PERCENTAGE OF MARKS</u>
Bannari Amman Institute of Technology	M.Tech (Software Engineering)	Anna University	2021	92%
Jeppiaar Engineering College	B.Tech (Information Technology)	Anna University	2018	79%
SRV Matriculation Higher Secondary School	HSC	State Board	2014	92%
Sri Saradha Memorial Matric Higher Secondary School	SSLC	State Board	2012	90%

I HEREBY DECLARE ALL THE INFORMATION GIVEN ABOVE IS TRUE TO THE BEST OF MY KNOWLEDGE

Yours Sincerely,

A Dharshini