



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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LINKEDIN PROFILE:

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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	May '22 till Jan '23
 veoneer	Software Engineer	Automated Driving	Sep '20 till Mar '22
 Win Win Web	Junior Software Engg.	Automation Testing	Jun '18 till Aug '19

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"
- Prediction 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