

# Karthik Balu

☎ **Mobile:** +91-8056299362 ☎ **E-Mail:** karthik.b.1195@gmail.com

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**In quest of career enhancing opportunities in  
the Automotive Domain**

## SNAPSHOT

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- ☞ Presently associated with **Visteon Corporation, Chennai** as **Software Engineer**.
- ☞ Bachelor of Engineering in Electronics and Communication from SRM Easwari Engineering College, Anna University
- ☞ Excellent communication & interpersonal skills with abilities in resolving complex issues.
- ☞ Ability to work under pressure and deliver results in order to meet company requirements and expectations.

## AREAS OF EXPERTISE

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Embedded Systems  
Application Programming

## CAREER SCAN

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### Aug'17– Till Date: Visteon Corporation as Software Engineer

- ☞ Supported the Hyundai Cluster Validation Team and the Jaguar Land Rover Cluster Validation Team extensively in Automation Migration Activities of several complex features.
- ☞ Developed a unit testing script, with a generic Keyword driven architectural framework, to automate testing of 430+ display strings, saving 50% effort hours.
- ☞ Supported the JLR team with sprint validation, logging over 30 defects.
- ☞ Worked with CANoE, CAPL, PROVETECH TA

### March'17– Aug'17: Freelance Embedded Engineer

- ☞ Supported Hardware and Software Integration for a Bangalore based start-up.
- ☞ Identification of the right type of sensors for their IoT based devices.
- ☞ Employed socket-io client in Linux OS using python and transmitted sensor data in real-time.

### Jan'17– Mar'17: INTERN at Econ Systems Private Limited

- ☞ Worked on Embedded System Programming, Imaging Applications and Implementation of Linux System Commands.

### June'16 – Nov'16: INTERN at Ensemble Tech Private Limited

- ☞ Worked with Raspberry Pi-3 on projects based on Internet of Things

## Additional Projects

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### SPEECH SYNCHRONISED BRAILLE PRINTER

March 2017

- Project to print the words spoken as Braille for use by the Visually Impaired in universities.
- Worked with Raspberry Pi3, Epson Dot Matrix Printer and Python/C Programming.

### REAL TIME TEMPERATURE SENSING

June 2016

- Project to capture and log the current temperature.
- Worked with Raspberry Pi3, LM35 Sensor, Plot.ly and Python Programming.

## TECHNICAL FORTE

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Programming Languages	:	C, VBA
Scripting Languages	:	Bash, Python, CAPL
IDE	:	Vector CANoE , Provetech TA
Protocols	:	CAN, UDS
Automotive Standards	:	ISO/IEC 15504 (ASPICE)
Requirement Management	:	Doors NG, TcSE
Quality Management	:	RQM

## ACHIEVEMENTS

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- Won Electronics Design Contest(ELECTRADICTO) **September 2013**
- Presented a paper on "Modeling and Control of Low Pressure Membrane Desalination Process" in MOES National Conference **September 2014**
- Won Circuit Design Contest conducted by the Student Society of Department of Electronics and Communication Engineering, SRM Easwari Engineering College **September 2014**
- Recognized as outstanding volunteer of NSS- Easwari Engineering College **March 2016**
- Participated in two 7-day Special Camps organized by the NSS Unit **2015 & 2016**
- Recognized with "Silver Award" for outstanding performance and support to the JLR DI Validation team in achieving ASPICE LEVEL 3 certification **June 2018**

## EDUCATIONAL CREDENTIALS

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- Bachelor of Engineering in Electronics and Communication from SRM Easwari Engineering College, Anna University, Chennai in 2017 with 7.54 CGPA
- Class 12th from Zion Matriculation Higher Secondary School, Chennai in May 2013 with 97.67%
- Class 10th from Zion Matriculation Higher Secondary School, Chennai in May 2011 with 96.2%

## PERSONAL DOSSIER

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Date of Birth	:	20 <sup>th</sup> November
Present Address	:	13 Thiruvalluvar Street, Metha Nagar, Selaiyur, Tambaram, Chennai, 600073
Linguistic Skills	:	English, Tamil
Interests	:	Reading, Travelling