

Karthik Balu

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In quest of career enhancing opportunities in Software Development Domain

SNAPSHOT

- ☞ 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

Embedded Systems
Application Programming

CAREER SCAN

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.
- ☞ Worked with CANoE, CAPL, PROVETECH TA, VBA

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

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, C++ |
| Scripting Languages | : | Bash, Python, CAPL |
| Source Control | : | Github |
| Web Development | : | HTML, CSS, Jekyll |

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

- 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 th November |
| Present Address | : | 13 Thiruvalluvar Street, Metha Nagar, Selaiyur, Tambaram, Chennai, 600073 |
| Linguistic Skills | : | English, Tamil |
| Interests | : | Reading, Travelling |