

Ashwin Babu Varghese

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Address:

Kumbeeeth Gilgal,
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ACADEMICS

COURSE	INSTITUTION	AGGREGATE	YEAR
M.Tech (Computer and Communication engineering)	VIT University, Vellore	8.64* CGPA	2015-present
B.Tech (ECE)	College Of Engineering, Adoor(CUSAT)	62.25%	2009-2013
Class XII	CBM Higher Secondary School (Kerala State Board)	82%	2009

WORK EXPERIENCE

- Company Name:** Mettl Inc
Website: www.mettl.com
Designation: Associate (Intern)
Duration: 18th July 2016 to 18 May 2017 (10 Months)
Location: Gurgaon, Haryana (IN)
Key Responsibilities: I.T Operations, Project Management & Coordination, Database Management.
Achievements during tenure: 'Quarterly Spot Award' winner for best performance.



SKILLS

- Areas of Interest:** Advanced Digital signal Processing, Digital Communication, Embedded Systems, Big Data analytics, Digital Electronics, Microprocessors.
- Programming languages:** C, Java (Familiar), Python, Python NLTK.
- Communication Engineering software:** MATLAB (expert).
- Analog/Digital Circuit Design:** Proteus.
- Other Tools/Technologies:** Arduino, Logix Pro V1.61, Twido Suite V2.01.6, WPL Soft V2.20, CX-Programmer V9.0, Versa Pro V2.04, Step 7-Micro V3.2.2.11, AC1131 V5.1, Unity Pro XL V4.0, Intouch Wondeware 10.7, IFix 5.0, Citech SCADA Explorer 7.0, Kepserver V4.0, Vijeo Designer V4.7.0.8067, FlexiSoft V1.41.1, LTspice.
- Elective courses chosen:** Optical Fiber Communication, Internet of Things, Cloud Computing.

PROJECTS

- Research Project: Neutrino based interstellar and underwater communication**
 - Implemented and simulated device models using MATLAB tools and proposed Neutrino based communication which can replace conventional communication methodologies in case they fail in certain circumstances.
- Research Project: Kinesics controlled industrial assistive robot.**
 - Proposed a new robotic methodology named Kinesics controlled industrial assistive robot which works on the basis of human gestures and can be used in Industrial applications.
- Image processing Project: Optical nerve extraction to study diabetic retinopathy**
 - Designed and studied certain Image processing techniques to extract Optical nerves to examine and study diabetic retinopathy.
- Course Project (B.Tech): GPS and GSM based jail security system**
 - Main project done as a part of bachelor's degree final project. It is an automatic jail security system to monitor and track prisons and prisoner movements which receives data from prisoner hand tag and prison cell and transmits to control station. The controller used is Peripheral Interface Controller.

ACHIEVEMENTS

- Presented a paper on 'Submarine neutrino communication' at College of Engineering on November 2012.
- Presented a paper on 'Neutrino based interstellar and underwater communication' in 12th International Conference on Science, Engineering and Technology organized by VIT University.
- Presented a paper on 'Kinesics controlled industrial assistive robot' in 13th International Conference on Science, Engineering and Technology organized by VIT University.

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INTERESTS AND ACTIVITIES

- Organized and volunteered in an event named 'Aaroh' which is the National level technical and cultural festival conducted in College of Engineering, Adoor, India in the year 2011 and 2012.
- Organized and volunteered in college arts festival in the year 2012 and 2013 at College of Engineering, Adoor.
- Member of PULSE, the association of Electronics and Communication Engineering students of College of Engineering, Adoor.
- Served as the secretary in charge of 40-year-old Arts and sports club in my hometown named 'NavaJeevan' in the year 2011,12 and 13 consecutively.
- Interested in blogging, common interests and social cause campaigning, environmental activism and social work.
- Co- Founder of college science advocacy club named 'Science Forum' in the year 2011 which was later dissolved in 2014.

PERSONAL INFORMATION

- **Languages known:** Malayalam, English.
- **Place of birth:** Thiruvalla
- **Age:**26

REFERENCES

- Prof. Dr. P.M.Durai Raj Vincent , Associate Professor and HoD, Department of Digital Communications, VIT University Vellore
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