

Penugonda Akhil Kumar

Second Year B-Tech Student

Electronics and Communications Engineering

Velagapudi Ramakrishna Siddhartha

Engineering College

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Academic Details

Year	Degree	Institute	Percentage/CGPA
2016- Present	B-Tech in Electronics And Communications Engineering	Velagapudi Ramakrishna Siddhartha Engineering College Vijayawada	CGPA = 8.99/10
2014-16	Intermediate State Board	Narayana Jr College Vijayawada	97.4%
2014	Class X SSC	Viswabharati EM High School Gudivada	GPA=9.7

Objective

To complete an Internship in an esteemed company through which I could get a great exposure to the industry level advancements so that I could go ahead in research field of Embedded Design and Machine Learning which are my interests.

Projects

Home Automation and Ambience control using IBM Cloud

In a Hackathon in 2017 at our College
Sponsored By Smart Bridge Pvt. Ltd.

Aimed at making a complete automated House which can control all the daily appliances that we use in our daily life (Lights, Fans, AC, TV...). We used a few sensors to collect the information and connected to the cloud for mutual transfer of information at machine to machine level. We used IBM cloud Bluemix as the database and created Cloud Foundry applications available to make the application interactive. We used Raspberry Pi and NodeMcu as controllers adopted Python for programming Raspberry Pi and Embedded C for NodeMcu. We used Node-red application programming interface for Connecting the devices and data transfer to the cloud.

Smart Pollution control and Waste Management using IBM Bluemix

In a Hackathon at IIT-Hyderabad in
2018

Using a few sensors and NodeMcu as a controller and Embedded C to code we developed a project on smart cities which concentrates on smart parking, Pollution control, Waste management, using IBM Bluemix and AI Watson nodes through Node-Red, an application programming interface.

Conferences/Workshops Attended

- Attended a workshop on VLSI Front end design conducted by IEEE EDS Society in MJCET College Hyderabad in March 2018.
- Attended a Workshop on "Advances in MMIC Technology" conducted by IEEE in collaboration with Astra Microwave Pvt. Ltd. at VR Siddhartha Engineering College in 2018
- Attended Lamakaan Annual Radio Convention Conference conducted by Lamakaan Amateur Radio Club at MJCET-Hyderabad in 2018.
- Attended a conference on Crypto Currencies and BlockChain technologies conducted by

CSE Department of VR Siddhartha Engineering College in 2018.

- Attended a Workshop on Internet of Things with Cloud conducted by Smart Bridge in collaboration with IBM in 2017.

Memberships

IEEE Student member # 94638324 Hyderabad Section

Computer Skills

Programming Languages: Java, C, Python ,VHDL ,Embedded C

Software Packages: Matlab, Xilinx, Multisim.

Platforms: Linux and Windows.

Extra Curricular Activities

1. Hackathons:

-Stood in top 5 among 50 selected projects on Smart city Hackathon using IOT conducted by Smart bridge Pvt. Ltd. In collaboration with IBM In 2017.

-Participated in Entrepreneurship Hackathon and developed a project on smarter pollution control and waste management using cloud which is conducted by IIT-Hyderabad in its fest eLan& nVision in 2018.

2. Won the 1st prize in inter college event Technical and Non-Technical event conducted by Vighnata Club in 2018.

3. Won the 2nd prize in the Paper Presentation competition by presenting a technical presentation on "Graphene Based Electronics" in AFOSEC 2k17 in VR Siddhartha Engineering College in 2017.

4. Won the 1st prize in technical event "Techno Mania" conducted by IETE student Forum in 2017.

5. Stood in top 50 among the 500 ventures in the "Smart Idea" conducted by International Institute Of Entrepreneurship Development (i2E) in collaboration with APSSDC and in partnership with Northeastern University, Boston, USA in 2017.

Personal Skills

Adaptive mindset	Optimistic	Self-motivation
Time management	Decision making	Communication

Social Network and References

LinkedIn Profile <https://www.linkedin.com/in/akhil-kumar-penugonda-innovate/> .

Acclaim Badges <https://www.youracclaim.com/user/akhil-kumar-penugonda> .

My Blog <https://technicalsurfing.blogspot.in/> which shows my Interests in technological Advancements.

Hobbies

Reading Books	Gym	Coding
Blogging	Article Writing	