

Sharad Shriram

Computer Science Graduate

Contact

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Programming

♥ Python

Django, C++, PHP,
MySQL, LaTeX, CSS3,
Javascript & HTML5

Platforms

Arduino, MSP430,
CC3200,
Beaglebone, RaspberryPi

Software

Energia, Jekyll, Github,
Linux

Languages

Tamil
English
Hindi

Awards

Best Paper - Student at
the 2014 International
Conference on Intelligent
Computing Applications
for my paper "Increasing
the Internet Speed and
Bandwidth Using the
Laws of Physics".

Interests

professional: research,
IoT, data analysis, web
design, web app creation,
software design
personal: writing,
music, cooking,
basketball, running

About Me!

I enjoy building software and web applications. An aspiring researcher with interests in Internet of Things, Software Engineering, Big Data, Algorithms and Machine Learning. I'm open to any interesting and challenging opportunities with you. In all, I'm a result driven person, eager to learn and feel comfortable in a fast-changing environment.

Education

2012–2016 **Bachelor** of Technology

Amrita Vishwa Vidyapeetham (University)

Specialization in Computer Science and Engineering

Experience

Sep'14–May'16 **Mobile and Wireless Networks Lab, Amrita Vishwa Vidyapeetham(University)**

Coimbatore, India

Undergraduate Student Researcher

Worked under Dr. Bagavathi Sivakumar. P to design and build prototypes for our projects on Internet of Things and Machine Learning. We have published two papers from three major projects.

Jul'15

First IEEE International Smart Cities Conference

Guadalajara, Mexico

Subreviewer

Reviewed a research paper as part of this conference under Dr.Ryosuke Ando, PC member.

Jun'15

Electronic System Design Lab, Velammal Engineering College

Chennai, India

Summer Research Intern

Developed an IoT module as part of the project "Wireless Sensor Network enabled earlier real-time detection of spoilage in stored grains" funded by the Dept. of Science and Technology, Govt. of India.

May–Aug '14

Mobile and Wireless Networks Lab, Amrita Vishwa Vidyapeetham(University)

Coimbatore, India

Summer Research Intern

Developed a proof of concept for an attack perspective algorithm to secure communication between wireless personal medical devices.

Publications

1. **Sharad, S.**, P. Bagavathi Sivakumar, and V. Anantha Narayanan. "An Automated System to Mitigate Loss of Life at Unmanned Level Crossings." *Procedia Computer Science* 92 (2016): 404-409.
2. **Sharad, S.**, P. Bagavathi Sivakumar, and V. Anantha Narayanan. "A Novel IoT-Based Energy Management System for Large Scale Data Centers." *In Proceedings of the 2015 ACM Sixth International Conference on Future Energy Systems*, pp. 313-318. ACM, 2015.
3. Ananthanarayanan.V , Rajeswari.A , GouthamKashyap. P, **Sharad, S.** "An Attack Perceptive Approach for Reliable and Secure Wireless Connectivity between Medical Devices in Public Environment." *International Journal of Applied Engineering Research* 10, no. 3 (2015): 6581-6600.
4. **Sharad, S.** "Increasing internet speed and bandwidth by using laws of physics." In *2014 International Conference on Intelligent Computing Applications, ICICA 2014*, pp. 99-103. Institute of Electrical and Electronics Engineers Inc., 2014.