

# SUDARSHAN GURURAJ

2250 Holly Hall Street, Apt no. 0223, Houston, Texas - 77054

Email ID: [sgururaj@uh.edu](mailto:sgururaj@uh.edu), [sudz2s@gmail.com](mailto:sudz2s@gmail.com)

Contact no.: +1 (832) 867-6488

## Education

*Master of Science in Engineering Technology (Network Communications)  
at University of Houston-System, Houston, Texas*

*Expected graduation: May 2018*

*Bachelors of Engineering in Telecommunication at  
Visvesvaraya Technological University, Belgaum, India  
Distinction awarded for the degree.*

*September 2010 – June 2014*

## Work Experience

**IBM India Pvt. Ltd. (Associate System Engineer)** - Since Dec 2014

- Part of the Motiva project as a middleware developer, successfully setup the development environment for the Control-M workload automation and FileMover applications.
- As a Control-M admin, setup of FTP/SFTP/SMTP services, installation/maintenance of Control-M components and fixing network related issues on the IBM IaaS (Softlayer and CMS) data centers.
- Implementation and deployment of interfaces on the Motiva environment for the 1<sup>st</sup> test cycle.
- Part of 'Shell Environment Reporting System' team supporting our client Royal Dutch Shell in a first-of-a-kind project to help in preparation of Environmental reports through IT consultancy.

## Projects

- B.E Final year project on “**Performance Analysis of LEACH protocols in Wireless Sensor Networks**”, simulating the following scenarios on MATLAB.
  - Simulate the working of various LEACH protocols, evaluate and compare their performances based on the analysis of the results.
  - Simulate Blackhole and Sinkhole attacks on the protocols and compare the corresponding performance drops.
- Shell Devops project at IBM India Pvt. Ltd.
  - Created an enterprise mobile app 'Manual Of Authority' using the IBM PaaS – Bluemix.
  - Design of securitized APIs for the frontend-backend interface for enterprise level applications using Node.js scripting on IBM Bluemix platform

## Publications

- Presented a paper titled “**COMPARISON OF DIFFERENT ATTACKS ON LEACH PROTOCOL IN WSN**” at the international conference on electrical, electronics and computer engineering (ICEECE) held at Mysore, India on 14th may 2014. ISBN: 978-93-84209-17-9. Link: [http://iraj.in/up\\_proc/pdf/74-140014326974-77.pdf](http://iraj.in/up_proc/pdf/74-140014326974-77.pdf)
- Published a paper titled “**EFFECT OF BLACKHOLE ATTACK ON SINGLE HOP AND MULTIHOP LEACH PROTOCOL**” in international journal of engineering research and applications (IJERA). ISSN : 2248-9622  
Link: [http://www.ijera.com/papers/Vol4\\_issue5/Version%207/M045077578.pdf](http://www.ijera.com/papers/Vol4_issue5/Version%207/M045077578.pdf)

## Trainings/Workshops

- In-plant training at BSNL, Bangalore on MPLS-VPN technology
- In-plant training on GPS Aided GEO Augmented Navigation (GAGAN) at Airports Authority of India, Bangalore
- Workshop on building autonomous robots using Logic Gates conducted at BMSIT, Bangalore
- Hack-track workshop on SQL ethical hacking conducted at SJBIT, Bangalore
- VMware Socialab on Network virtualization with Hands-On-Lab on the NSX tool at Houston, Texas

## Software skills

**Languages:** C++, C#, Matlab, Node.js, SQL, Linux, Python

**Tools:** Microsoft Office, Microsoft Azure, IBM Bluemix, Eclipse, SAP-EC, Control-M, Microsoft SharePoint, GENI Testbed

## Extracurricular

- Part of the committee organizing the blood donation camps held at B.M.S.Institute of Technology
- Part of the core volunteering committee of Shell account of IBM that organized a sport and cultural fest – Celesta, CIO events and an Excellence and Eminence Awards functions for IBM Bangalore