Shardul Thakre
https://www.linkedin.com/in/shardul-thakre
Boston, MA 02120
(857) 453-9025 | thakreshardul@gmail.com
Available: **May - December 2017**

EDUCATION

Northeastern University, Boston, MA
College of Computer and Information Science   September 2016 - Present
Candidate for a Master of Science in Computer Science   Expected Graduation: December 2018
Related Courses: Programming Design Paradigm, Network Security
Project: **Secure Instant Messaging Application**

- Designed and developed a secure chat application using Python and *hazmat* cryptography and secured it against cryptographic attacks.

SGGS Institute of Engineering and Technology, Nanded, India   May 2014
Bachelor of Technology in Computer Science and Engineering
Related Courses: C and Data Structures, Data Communication and Networking, TCP/IP Networking, Microprocessor,
Artificial Neural Networks, Operating System Concepts and UNIX, Software Engineering
Computer Architecture and Organization, Compiler Design
Project: **Pattern Classification of plant leaves using Artificial Neural Networks**

- Proposed a system for Pattern Recognition using Artificial Neural Networks which assisted farmers to identify the prolific species of crops and their fake counterparts. Gained knowledge of Image processing techniques using MATLAB and Error Back Propagation Algorithm to train the Neural Network.

TECHNICAL KNOWLEDGE

Languages:	C, Python, Java, Shell Scripting, BPEL, XSL
Systems:	Windows, UNIX, Mac, Android
Software:	MATLAB, Wireshark, Websphere MQ, SOAP UI, Apache Jmeter
Web technologies:	Servlet, Apache Tomcat

WORK EXPERIENCE

GSLAB PVT. LTD., Pune, India   July 2014 – August 2016
Software Engineer

- Produced 200 automated test cases for JSON Web Tokens for OAuth used by API traffic manager in a span of 7 days which awarded appreciation from the customer. Gained insight of a java based automation framework and a python based robot framework.
- Initiated a project on the lines of information security in a Security Gateway that implemented technologies like OAuth, LDAP authentication, IBM Message Queuing, Web Services Security, Message mediation and XML threat protection which stimulated a revenue of $140,000 per annum.
- Analyzed and explored an Internet of Things implementation by simulating a temperature sensor over Raspberry Pi board. Developed a C program to communicate with MQTT based Kafka Server and a java application to record the data into HBASE database. Designed an Android application to read data from HBASE and produce real time alerts.

INTERESTS/ACTIVITIES

- Published research papers for Artificial Neural Network and IoT implementation in International Journals.
- Coordinated a team of 15 members to organize a national level technical event involving more than 2000 participants in the year 2012. Pioneered in generating a total sponsorship of $50,000 for the event. Negotiated with contractors to propose a design plan which reduced the cost of event hosting by 15%.