Education	<ul> <li>B.Tech in Computer Science and Engineering, Senior Year</li> <li>National Institute of Technology Karnataka, Surathkal, India</li> <li>CGPA: 9.48/10 (May 2017)</li> </ul>	Aug, 2014 - Present
	High School - St. Raphael's H.S. School (CBSE) - 97.2% Secondary School - St. Raphael's H.S. School (CBSE) - CGPA: 10.0	2012 - 2014 2002 - 2012
Experience	<b>Software Engineering Intern, Microsoft India Development Center, Bangalore</b> May - July, 2017 Worked with the resource management division of Big data team located at Bangalore. The objective of the project was to reduce the time required for job failure investigation. The entire project used Bond Communications framework, an open source framework developed by Microsoft. I was offered a pre-placement offer at the end of the internship.	
	<b>Summer Research Intern, Tata Institute of Fundamental Research, Mumbai</b> May - July, 2016 Worked on the game 'Public Goods in Networks', a network game where agents exert effort and have benefit and cost associated with it. The problem was modeled as a graph. Analyzed price of anarchy and price of stability for different cases. Also worked on equilibrium welfare, optimal welfare and minimum equilibrium welfare in specialized equilibrium and best response dynamics convergence of equilibrium.	
	<b>Research Intern, Tata Institute of Fundamental Research, Mumbai</b> Worked on equilibrium computation in atomic splittable routing game with convex or considered was one where each player can have different latency function on all th decision problem whether there exists an equilibrium where some player's cost is M, for	Dec, 2016 ost function. The ASRG e edges. Worked on the or some given value of M.
	Web Developer, Discount to Students Dec, 2015 Worked on the website D2S. Built an admin page where an admin once logged in can add a merchant, view the list of existing merchants and modify the details. Web framework used: meteor	
Technical Skills	Languages - C, C++, PHP, HTML, CSS, Python Databases - MySQL, MongoDB Tools/Frameworks - Meteor, STL, L <sup>A</sup> T <sub>E</sub> X, Mathematica, Multisim, Git	
Relevant Courses	Data Structures and Algorithms, Operating Systems, Computer Graphics, Advance Databases, Graph Theory, Compiler Design, Distributed Computing, Number The Computer Architecture, Software Engineering, Discrete Mathematics, Linear Algeb Image Processing, Data Mining	ed Computer Networks, eory and Cryptography, ra and Matrices, Digital
PUBLICATIONS	• Aparna R Joshi, <b>Isha Tarte</b> , Sreeja Suresh and Shashidhar G. Koolagudi, "Da Assessment using Image Processing on Post-Disaster Satellite Imagery", accepted itarian Technology Conference(GHTC) 2017, San Jose, California.	mage Identification and in IEEE Global Human-
Selected Projects	<ul> <li>All projects available on git : https://www.github.com/isha97</li> <li>Implementation of REM in ns-3 : Random Exponential marking(REM) is a ment algorithm. Implemented REM model in traffic control layer of ns-3. Verific test-suite. Also wrote the example program and documentation.</li> </ul>	an active queue manage- ed the model by writing
	• <b>Damage Assessment using Satellite Images</b> : Worked on damage identificati post disaster satellite images of the affected areas. Used SLIC (Simple Linear I image segmentation and textural features for image analysis and classification.	on and assessment using Iterative Clustering) for

• Election Algorithms : Simulated Bully and Ring algorithm in distributed system using python. Also, implemented a heap based technique for leader election. Compared the number of messages passed in various algorithms with different initiator nodes.

- **Point to Multi-point FTP** Implemented point-to-multipoint reliable UDP data transfer protocol using the Stop-and- Wait automatic repeat request (ARQ) scheme. Conducted experiments to evaluate the variation in time taken to send all the packets with different maximum segment size (MSS), number of hosts and loss probability.
- **Online Health Care Portal** : Developed a portal that connects patients to available doctors for online consultation and also allows doctors to send prescriptions. The portal has the facility of live-chat which allows patients to directly connect to doctors.
- Secure Data Transmission : Developed a portal to encrypt text files and images. Used Advanced Encryption Standard algorithm for encryption and socket programming in Java for file transmission.

Achievement and Awards	$5 \bullet$ Secured runner-up position in Microsoft code fun do hackathon. Built an app for visually impaired.
	• Presently ranked 3rd in Computer Science Department.
	• Selected for Visiting Students' Research Programme, 2016.
	• Selected for IAS Summer Research Fellowship, 2016.
	• Qualified for award of scholarship for Higher Education (SHE) under Innovation in Science Pursuit for Inspired Research (INSPIRE).
	• Got felicitated in writing by HRD minister of India, Mrs. Smriti Zubin Irani for exemplary performance in the 12th board examination.
Extra- Curricular Activities	<ul><li>Executive member of IEEE NITK chapter.</li><li>Executive member of Web Enthusiast's Club NITK.</li></ul>

- Volunteering for Avanti fellows. It is an NGO which helps to provide world-class Science education to low income high school students.
- Executive member of Computer Science Committee, Engineer (technical fest of NITK).

MORE Please visit https://isha97.github.io