

Amishapriya Singh

Female, 20 years

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EDUCATION

Bachelor of Technology (CSE)	2014 - present	Indira Gandhi Delhi Technical University for Women, New Delhi	81.89%
XII (Science)	2014	Delhi Public School, Mathura Road, New Delhi	94.4%
X	2012	Mater Dei School, Tilak Lane, New Delhi	CGPA 10

COMPUTATIONAL SKILLS

- **Web Development:** HTML, CSS, PHP, Javascript, Jekyll
- **Other languages and softwares:** C, C++, Java, R, Python, SQL, SAP-ABAP, Photoshop, Logisim, Octave/MATLAB, Android Studio.

INTERNSHIPS

- **Mentee, ACMS, Amazon-India** (Nov 2016 – Present)
 - Working on a java web application to **allow discussion** and **task work flow** within team individuals on different/same projects, under the mentorship of an assigned developer at Amazon-India.
- **Summer trainee, Project ICE, Oil and Natural Gas Corporation Ltd.** (July 2016 – July 2016)
 - Trained in SAP ABAP at Project ICE (Information Consolidation for Efficiency), one of the **largest ERP implementation in Asia**.
 - Single-handedly designed and developed project in SAP ABAP using **ALV reports and module pool programming** to manage booking and maintenance of all the ONGC guest houses across India. Functionalities of the same will be extended and **launched by ONGC**.
- **Summer developer, Urvar Technologies Pvt. Ltd.** (May 2016 – June 2016)
 - Worked on an online aptitude testing application, Fusion Test App, to provide a platform for test organizers to conduct aptitude tests.
 - Maintained the website of the company (www.urvar.com)
- **Summer intern, Damanganga Hydro Power Project, Tarini Infrastructure Ltd.** (June 2015 – July 2015)
 - Project envisages utilization of water from Madhuban Dam reservoir across river Daman Ganga, Gujarat with a total catchment area of approx. 1300 sqkm and monitored through sophisticated Digital Control System (DCS) via global positioning link.
 - Trained in Siemens make Distribution Control System (DCS) T 1000 / Sairug Power Controller / Modbus communications and embedded system of the Hydropower Plant including totally automated operation and maintenance system.
- **Contributor, The Yellow Sparrow** (<http://theyellowsparrow.com>) (Sept 2015 - Dec 2015)
 - Published **over 15 articles** to promote creativity through art with an estimated readership of 7,000.
 - Did two **exclusive interviews** with founders of ChattyFeet (an England based firm) and Susmit Sen (co-founder and former lead vocalist for the band Indian Ocean - the pioneers of the fusion rock genre in India).

ACADEMIC PROJECTS AND PAPERS

- Proposed a novel **energy efficient technique for data transmission in wireless sensor network based on spatio-temporal correlation and node heterogeneity** under the guidance of Asst. Prof. Vivekanand Jha. (Sept 2016 - Dec 2016)
- Designed a **smart agriculture platform** using data analytics and modeling to aid farmers in improving their crop productivity and help government improve and gauge the effectiveness of their policies. Research paper on the same titled **"Applying Data Analytics to Upcoming Smart Cities"** accepted for IEEE INDIACom-2017 conference. (Jan 2017)
- Research paper on **"Analysis of various Graph Based Clustering Techniques"** accepted for the IEEE INDIACom-2017 conference. (Jan 2017)
- Research paper on **"Analysis of Security Considerations in Opportunistic Networks"** accepted for IEEE INDIACom-2017 conference. (Jan 2017)
- **Taarangana:** Developed a well-structured, responsive **website** for the annual college cultural fest. (2015)
- **RSA Cryptosystem:** Implemented in Java for encryption/decryption and **ensuring high efficiency** in the process while maintaining security. (2015)
- **Smart Home (IoT):** Designed a motion and light detecting system for use in modern houses to promote smart homes. **Project presented at the university's IEEE week**, highlighting the uses and varied prospects of the same. (2014)

CO-CURRICULAR ACTIVITIES

- **Co-Founder, 'Abhilasha': One of its kind social module** empowering the young to take charge of their own communities (July 2015 – present)
 - Aimed towards upliftment of disadvantaged children by means of **non-traditional supplementary classes**; lessons centered at their **constitutional rights**
 - Currently operating at 1 centre (Pandara Road, New Delhi), spearheading expansion to a second centre (near India Habitat Centre, New Delhi)
- **Vice President, Synergy** (Aug 2015 – present)
 - Leading a two tier team of **8 core team members** and **38 volunteers**.
 - Designated an annual budget of **INR 99,000**.
 - Within a year, brought together **3 teams** to represent the college at sports events.
- **Public Relations Head, TEDxIGDTU** (Aug 2016 - Jan 2017)
 - Heading the public relations for **first ever** TEDxIGDTU.
 - Leading a team of **10 members**.
- **Scholarship counselor, The Kutumb Foundation** (July 2015 – Jan 2016)
 - Volunteer driven non-governmental enterprise working towards holistic development of underprivileged.
 - Provided platform for students to claim scholarships based on performance and requirements.
- **Football –Delhi's Zone-XXVI team** (2010 – 2012)
 - Runners at the Delhi School Sports & Activities Competitions Tournament; **special recognition for most assists** in the tournament. (2011)
 - Semi Finalists at the Annual Zones Tournament. (2012)