

## Arushi Sharma

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<b>OBJECTIVE</b>	<i>A software developer having keen interest in the field of Big Data and Data Analysis. I wish to incorporate my knowledge with the requirements of the organisation in order to bring out the lurking flaws of the human economy and ameliorate the present conditions.</i>		
<b>EDUCATION</b>	<b>University Institute of Engineering and Technology, Panjab University, Chandigarh</b>		
	<i>Bachelor of Engineering (B.E), Information Technology(IT)</i>		
	July 2019		CGPA: 8.99/10.00
	<b>St. Ann's Senior Secondary School, Roorkee (Uttarakhand)</b>		
	<i>Class XII (Senior Secondary Examination), CBSE</i>		
	March 2015		Aggregate 94.8%
	<b>St. Ann's Senior Secondary School, Roorkee (Uttarakhand)</b>		
	<i>Class X (Secondary Examination), CBSE</i>		
	March 2013		CGPA: 10/10
<b>TECHNICAL SKILLS</b>	<b>Languages :</b> C++, C, Python <b>Database :</b> MySQL <b>Tools/Framework :</b> Hadoop, Flume, Oozie, Java Spring Boot, Android Studio <b>Familiar :</b> Java, Linux, HTML5, Statistical Learning , Scala, Docker, Kubernetes <b>Business :</b> Presentation and Leadership, Team Motivation		
<b>ACCOMPLISHMENTS</b>	<ul style="list-style-type: none"><li>• Qualified GATE-2019 with Gate Score 640</li><li>• Android Application by the name RED-AID published on Google Playstore from Jan, 2018- Nov, 2018</li><li>• Won Impact Award at Hacksprint 1.0 at UIET, Panjab University</li></ul>		
<b>EXPERIENCE</b>	<b>Guavus, A Thales Company: Associate Software Engineer Jul 19 - Present</b>		
	Working as a Big Data Developer responsible for automating the various processes involved in the solution pipeline and adding features to the solution.		
	<b>Gemini Solutions Private Limited: Technical Trainee Jan 19 - Jul 19</b>		
	Responsible for creating a java based inhouse web application using Spring Boot and enhancing already existing Java Spring microservices. Also deployed the application using Docker and Kubernetes.		
	<b>Design and Innovation Center, UIET, Panjab University: Project Intern Jan 18 - May 18</b>		
	Responsible for creating a desktop application for translating Hindi-English mixed sentences into English. The Hindi part of the sentences could be in romanized form.		
	<b>Design and Innovation Center, UIET, Panjab University: Project Intern Jun 17 - Jul 17</b>		
	Responsible for creating an Android Application by the name Red-Aid aimed towards the blood donors and the blood donee. It also facilitates organ donation pledge taking task for the donors.		

**PUBLICATIONS** Real-time DDoS Detection based on entropy using Hadoop Framework  
17 Oct, 2019

Under the guidance of Dr. Krishan Kumar(Professor, Department of Information Technology, UIET) we were able to simulate a system that detects the Flood Attacks on a system using a Hadoop Cluster of 5 nodes and improve its performance.

- **Technology/Tools:** Python, Hadoop, Wireshark
- **Link :** [https://link.springer.com/chapter/10.1007%2F978-981-32-9515-5\\_28](https://link.springer.com/chapter/10.1007%2F978-981-32-9515-5_28)

PROJECTS	Live Summary News Portal	Mar 18 - Apr 18
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The News Portal is a desktop application that collects the news articles corresponding to a keyword, through web-scraping(Online News Websites) or live streaming from twitter and displays a summarized result from the two sources.

- **Technology/Tools:** Apache Flume , Hadoop , Python, BeautifulSoup , Tkinter
- **Link :** [github.com/97arushisharma/MyNews-Summarization-DesktopApp](https://github.com/97arushisharma/MyNews-Summarization-DesktopApp)

Hindi-English Mixed Language Translator Jan 18 - May 18

This project involved a desktop application that translates the Hindi-English mixed sentences(including the romanized form of Hindi) into complete English sentence.

- **Technology/Tools:** NLTK , Python ,Tkinter
- **Link :** [github.com/97arushisharma/code-switching-from-hindi-to-english](https://github.com/97arushisharma/code-switching-from-hindi-to-english)

## Performance Analysis of Big Data Storage techniques Sep 17 - Jan 18

This project involved the comparison of the performance of various Big Data storage techniques used these days, on the basis of time and storage capacity. The various tools used were HDFS, Spark, MongoDB, MySQL, etc.

- **Technology/Tools:** Hadoop , Spark ,MongoDB, MySQL

## Red-Aid Jun 17 - Jul 17

This is an Android Application that is targeted towards people in immediate need of blood. It searches for the nearby donors and provides a way to contact them without disclosing the identity of the donor to the donee unless the donor allows.

- **Technology/Tools:** Java , Android Studio ,Firebase
- **Link :** [github.com/97arushisharma/Red-Aid](https://github.com/97arushisharma/Red-Aid)

## TRAINING AND WORKSHOPS

- **Functional Programming Principles in Scala** on Coursera
- **Introduction to Big Data and Hadoop** at UIET, Panjab University, Chandigarh
- **Core Java Training** at NICT, Chandigarh

## RELEVANT COURSES

- Theory of Computation
- Computer Architecture and Organisation
- Computer Graphics
- Data Structures and Algorithm
- Introduction to Database Management
- Object Oriented Programming
- Operating System
- Computer Networks

## ADDITIONAL ACTIVITIES

- Participated in the Grand Finale of Smart India Hackathon 2018.
- Participated in Rajasthan IT-Day Hackathon 2018.
- Participated in HackInTheNorth 2.0 at IIIT Allahabad.