

Arushi Sharma

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OBJECTIVE	<i>A software developer having keen interest in the field of Big Data and Data Analytics. 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>		
EDUCATION	University Institute of Engineering and Technology, Panjab University, Chandigarh		
	<i>Bachelor of Engineering (B.E), Information Technology(IT)</i>		
	July 2019		CGPA: 8.99/10.00
	St. Ann's Senior Secondary School, Roorkee (Uttarakhand)		
	<i>Class XII (Senior Secondary Examination), CBSE</i>		
	March 2015		Aggregate 94.8%
	St. Ann's Senior Secondary School, Roorkee (Uttarakhand)		
	<i>Class X (Secondary Examination), CBSE</i>		
	March 2013		CGPA: 10/10
TECHNICAL SKILLS	Languages : C++, Python Database : MySQL Tools/Framework : Hadoop, Pulsar, Oozie, Java Spring Boot, Android Studio Familiar : Java, Linux, HTML5, Statistical Learning, Scala, Docker, Kubernetes Business : Presentation and Leadership, Team Motivation		
ACCOMPLISHMENTS	<ul style="list-style-type: none">• Qualified GATE-2019 with Gate Score 640• Android Application by the name RED-AID published on Google Playstore from Jan, 2018- Nov, 2018• Won Impact Award at Hacksprint 1.0 at UIET, Panjab University		
EXPERIENCE	Guavus, A Thales Company: Associate Software Engineer		
	Jul 19 - Present		
	<ul style="list-style-type: none">• Working as a part of Engineering-Apps team as a BigData Developer majorly using JAVA, Python and SQL, responsible for building solution pipelines and adding features to the solution in the Big Data ecosystem.• Worked as a part of the project where we had to process new IPFIX data and send the required information along with the already existing PilotPacket information in the message header from the proxy server.• Independently worked on an Apache Pulsar Sink plugin for SQLStream. This plugin is to be used to write data to customer's Pulsar message bus.• Developed, debugged and validated the SQLStream pipeline that enriches and aggregates streaming tethering data on an hourly basis and writes the output to Kafka. This project involved gaining knowledge of the existing tethering data enrichment pipeline written in Java MapReduce for replicating the logic in SQLStream.		
	Gemini Solutions Private Limited: Technical Trainee		
	Jan 19 - Jul 19		
	<ul style="list-style-type: none">• 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.		
	Design and Innovation Center, UIET, Panjab University: Project Intern		
	Jan 18 - May 18		

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.

Design and Innovation Center, UIET, Panjab University: Project Intern
Jun 17 - Jul 17

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 Conference Paper: 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 server using a Hadoop Cluster of 5 nodes and improve its performance. This paper was presented at ICCET-2019.

- **Technology/Tools:** Python, Hadoop, Wireshark
- **Link :** 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

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

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

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

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.