

Arushi Sharma

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OBJECTIVE	<i>A software developer with a knack to work on new technologies and tools. 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, Java Database : MySQL, PostgreSQL Tools/Framework : Hadoop, Pulsar, Oozie, Java Spring Framework, Android Studio Familiar : Git, Linux, Kafka, Scala, Docker, Kubernetes, Golang, HTML5, Ansible Business : Presentation and Leadership, Teamwork, 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/Java Developer majorly using JAVA, Python, SQL and Go, responsible for building solution pipelines and adding features to the solution in the Big Data ecosystem.• Wrote various automation scripts and tools in Python including regression test suites and security check tools that involved tools to automatically apply iptable rules and check for vulnerabilities. These reduced the team's manual efforts significantly.• Upgraded the existing reverse proxy to add support for IPFIX data, insert the required fields in the request header and update the heartbeat mechanism, in Go and reduced the existing race conditions.• Independently developed an Apache Pulsar Sink plugin in Java for SQLStream, a SQL and Java based live data stream processing platform.• Developed, debugged and validated the SQLStream pipeline that enriches and aggregates streaming tethering data on an hourly basis and writes the output to Kafka.	
	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 Framework 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

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, Google Firebase
- **Link :** github.com/97arushisharma/Red-Aid

**TRAINING AND .
WORKSHOPS**

- **Functional Program Design in Scala** on Coursera
- **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.