

Arushi Sharma

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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%
TECHNICAL SKILLS	Languages : C++, Python, Java, Go, SQL Database : MySQL, PostgreSQL, MongoDB, Redis Tools/Framework : Hadoop, Pulsar, Oozie, Java Spring Framework, Flask, NLTK Familiar : Git, Linux, Kafka, Scala, Docker, Kubernetes, Ansible, Dropwizard Business : Presentation and Leadership, Teamwork, Team Motivation, Mentorship
ACCOMPLISHMENTS	<ul style="list-style-type: none">• Runner Up for Marquee Track at GS Accelerate 2022 Hackathon• Qualified GATE Examination by MHRD, Govt of India in 2019• Android Application by the name RED-AID published on Google Playstore from Jan, 2018 - Nov, 2018• Won Impact Award at Hacksprint v1.0 by Design and Innovation Group, UIET, Panjab University
EXPERIENCE	Goldman Sachs India:
	Technology Associate Dec 22 - Present
	<ul style="list-style-type: none">• Working as a Java Backend Developer responsible for building and enhancing the new product to calculate the firm's daily P&L for the Product Controllers to sign off.
	Technology Analyst Jun 21 - Dec 22
	<ul style="list-style-type: none">• Worked with Data Warehouses and SQL Queries to refine the raw trade data before running the distributed Spark jobs for calculating the P&L.• Solved multiple complex P&L data consistency problems.• Owned and delivered the product dashboard features to show all the batch job statuses to the Controllers, within the defined deadlines.• Assisted in the management and planning of the team's weekly targets and goals.
	Guavus, A Thales Company:
	Software Engineer Mar 21 - May 21
	<ul style="list-style-type: none">• Worked as a BigData/Java Developer majorly using JAVA, Python, SQL, and Go, responsible for building real-time data processing pipelines in the Big Data ecosystem.• Implemented logging of the HTTP request and response data to Kafka sink with minimal performance drop in the Go proxy server.
	Associate Software Engineer Jul 19 - Mar 21
	<ul style="list-style-type: none">• Wrote various automation scripts and tools in Python including regression test suites and security check tools. These reduced the team's manual efforts significantly.• Upgraded the existing Go reverse proxy to add support for IPFIX data, and updated the request header and the heartbeat mechanism to support the new input feed.• Independently developed an Apache Pulsar Sink plugin in Java for SQLStream, a SQL and Java based live data stream processing platform.• Developed 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 developing a Java-based in-house web application using Spring Frame-

work 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 developing a desktop application that uses NLP to translate code-switched Hindi-English sentences(including the romanized form of Hindi) into complete English sentences.

- **Technology/Tools:** NLTK, Python, Tkinter
- **Link :** <https://github.com/97arushisharma/Hindi-English-Code-Switching>

Design and Innovation Center, UIET, Panjab University:

Project Intern

Jun 17 - Jul 17

Responsible for developing an Android Application by the name Red-Aid that was targeted toward people in immediate need of blood. It searched for nearby donors and provided a way to contact them without disclosing the identity of the donor to the person in need unless the donor allowed.

- **Technology/Tools:** Java, Android Studio, Google Firebase
- **Link :** <https://github.com/97arushisharma/Red-Aid>

CONFERENCE PUBLICATIONS

A. Sharma, C. Agrawal, A. Singh, and K. Kumar, "Real-time DDoS detection based on entropy using Hadoop framework", in *Computing in Engineering and Technology*. Proceedings of ICCET 2019, AISC, vol. 1025, pp. 297-305. Springer, 2019 (DOI: 10.1007/978-981-32-9515-5 28)

PROJECTS

Recommender System for Answering User Questions

Mar 22 - Mar 22

As a part of the GS Accelerate Hackathon, we developed a recommender system that uses the categorization of the questions asked by the various stakeholders along with the user tags to recommend the responders from the firm's directory. I was majorly responsible for building the backend service including APIs and DB connections.

- **Technology/Tools:** Flask, MongoDB, NLP, Python

Live Summary News Portal

Mar 18 - Apr 18

Developed a live news summarization 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 :** <https://github.com/97arushisharma/MyNews-Summarization-DesktopApp>

Feedback and Query Portal for automatic redressal

Feb 18 - Mar 18

- Developed a web application that receives feedback/queries from the users and, processes and answers them using NLP and Big Data processing tools.
- The queries are processed using a query matching technique called Jaccard Similarity, for matching the queries with the questions already present in the datastore and returning the response. In case of no match in the data store, the system returns the response through Google search.

- **Technology/Tools:** NLTK, Python, Tkinter
- **Link :** <https://github.com/97arushisharma/Hindi-English-Code-Switching>

COURSES AND TRAININGS

- **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