Arushi Sharma

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OBJECTIVE

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.

EDUCATION

University Institute of Engineering and Technology, Panjab University, Chandigarh
Bachelor of Engineering (B.E), Information Technology(IT)
July 2019   CGPA: 8.99/10.00

St. Ann's Senior Secondary School, Roorkee (Uttarakhand)
Class XII (Senior Secondary Examination), CBSE
March 2015   Aggregate 94.8%

St. Ann's Senior Secondary School, Roorkee (Uttarakhand)
Class X (Secondary Examination), CBSE
March 2013   CGPA: 10/10

TECHNICAL SKILLS

Languages : C++, Python, Java
Database : MySQL
Tools/Framework : Hadoop, Pulsar, Oozie, Java Spring Boot, Android Studio
Familiar : Git, Linux, Kafka, Spark, Scala, Docker, Kubernetes, Golang, HTML5
Business : Presentation and Leadership, Teamwork, Team Motivation

ACCOMPLISH-MENTS

• 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
• Working as a part of Engineering-Apps team as a BigData Developer majorly using JAVA, Python, SQL and Go, responsible for building solution pipelines and adding features to the solution in the Big Data ecosystem.
• Worked as a part of a project where we had to process new IPFIX data and send the required information along with the already existing PilotPacket information in the request header through the proxy server. I was responsible for modifying the existing proxy server code in Go to support IPFIX and reduce the existing race conditions.
• Independently developed an Apache Pulsar Sink plugin for SQLStream in Java. SQLStream is 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. 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
• 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**

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 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.