

# SOURABH SONI

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## WORK EXPERIENCE

### Qualcomm

Software Engineer

Hyderabad, Telangana  
March 2022 - August 2024

- Contributed for **Linux Kernel Driver** for runtime registers settings, refractoring, Interrupts Handling and Memory leakage issue for some of the Open Source Camera Modules like Image Fetch Engine.
- Development of Noise processing features for high-end chips Snapdragon 8 Gen 3 Camera module like ICA, ANR, EVA, TF.
- Developed frameworks for Bit Exactness Test to check H/W node like ANR, TF Blending of Image frames to provide best Quality Images in Pre-Sil Stage.
- Simulation Software for chip fabrication simulation logic in Presil stage validation and handling backend simulation logic in Springboot like CSIM, RUMI For performing large-scale simulations.

### Affine Analytics

Software Engineer

Bengaluru, K.A  
Dec 2020 - March 2022

- Contributed as Data Engineer for Marketing projects working in **Web Scrapping using Jsoup, Springboot**, creating ETL pipelines using **Cloud platforms like Azure Data Factory** and **Database MySQL** insights and analysis in their Data pipelines to increase client market values.
- Data base modeling and Scrapping data from various sources through Springboot, Jsoup for Data Scrapping to maintain marketing data in Cloud Platforms like Azure Data Factory.
- Data base modeling and enhancing database data pipelines for Client Inventory system of their marketing data through Cloud Platforms like Azure Data Factory.
- Developing whole new SQL Queries for Raw Data cleanups to improve Data insights and optimizing Data driving from Web application. Platforms like SSIS & ADF pipeline to make relation between Client Sales and Marketing Data.
- Data Models and Data Pipelines Workflow presentation to Client and fixing bugs of the existing pipelines.

## EDUCATION

### Indian Institute of Information Technology, Allahabad

M. Tech Information Technology *GPA: 8.14*

Prayagraj, U.P  
June 2018 - June 2020

### Chhattisgarh Swami Vivekanand Technical University, Bhilai

B.E *GPA: 7.92*

Bhilai, C.G  
July 2013 - May 2017

## INDUSTRIAL PROJECTS

### Marketing Campaign Data Aggregator *Springboot, Maven, Jsoup*

This provides a simple but effective way to scrape and aggregate marketing data from various sources and expose them through a REST API using Spring Boot and Jsoup. Developed a REST API using Spring Boot and Jsoup involved in creation of system that scrapes marketing data (such as campaign performance, metrics, or information) from various websites and exposes the aggregated data via RESTful endpoints.

### Modeling and Extraction of Marketing Campaign Data *MySQL, Azure Data Factory, Springboot, Maven,*

Designed a data model converting and associating raw marketing campaign data from clients' websites into Facts and Dimension Tables, mapping Entity Key to Store Name, creating Data pipelines, and automating Web Scrapping to create a complete ETL system.

## SKILLS

<b>Programming Languages:</b>	Java, Java8, C++, SQL
<b>Problem Solving:</b>	Data Structures, Algorithm
<b>Developer Tools:</b>	GIT, Gerrit, VS Code, SSIS, Jenkins, Spring Initializr, Jenkins
<b>Frameworks:</b>	Springboot, Maven, MySQL, ADF(Azure Data Factory), Spring MVC, Spring Cloud, Kafka, JUnit, Hibernate
<b>Operating System:</b>	Linux

## AWARDS

### Standout Performer

Recognized for ownership and leading first projects while training contributing in Delivery.

Affine Analytics  
March 2021

### Achiever of the Month

Recognized for handling and completing project independently with succesful bringup for the good Ownership and Responsibilitiy.

Qualcomm  
May 2023