

# ARGHA RANA

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## Summery:

Passionate and results-driven IT professional with 2 years of hands-on experience in testing and data handling. Proficient in SQL, Python, and data analysis, I possess a strong analytical mindset and a keen eye for detail. I am eager to transition into a role focused on SQL development and data analysis, where I can leverage my testing background and analytical skills to drive actionable insights, optimize processes, and contribute organizational success. My goal is to bring value through precise data management and innovative problem-solving to help achieve strategic business objectives.

## Skills Summary:

SQL || RDBMS || PYTHON || GIT || LINUX || POWER BI

## Work Experience:

### SQL Developer at Deep Cognition

~ 07/2023 – present

#### Responsibilities:

- Worked with application and data teams to support development of custom data solutions.
- Conducted data exploration and extraction using **SQL** to support reporting and analytics.
- Handled data manipulation and analysis using **Pandas**.
- Wrote **SQL** queries to extract, transform, and load data from various sources into analysis-ready formats.
- Automated test processes using **Python** to improve testing efficiency and coverage.
- Implementation of constraints (primary key, foreign key, unique, etc.).
- Writing complex **SQL** queries with **JOINS**, **subqueries**, and **CTEs**.
- Experience with specific databases like MySQL, SQL Server.

## Internship:

### Software Engineering Intern at Deep Cognition, Bengaluru

~ 02/2023 – 07/2023

#### Responsibilities:

- Tested software solutions for web applications.
- Collaborated with a team of developers to implement new features using by **Python** and enhance existing functionalities.
- Developed and maintained documentation for the software project

## Project:

### power Bi:

#### Sales Analysis Dashboard:

Incorporated data analysis Techniques, specializing in **time series analysis**, to deliver valuable insights, accurate **sales forecasting**, and **interactive dashboard** creation, driving business success.

#### Road Accident Analysis Dashboard:

Developed an interactive Power BI dashboard to analyze road accident data, highlighting key metrics such as casualties by road type, light conditions, and urban/rural areas. Utilized DAX for calculations and implemented dynamic slicers for year-wise comparisons, enabling actionable insights for road safety improvements.

## Social Media Analytics SQL:

- **Database Schema:** Developed database schema for users, posts, comments, likes, and hashtags.
- **Data Analysis:** Created SQL queries to analyze engagement and trending topics.
- **User Engagement:** Increased user engagement by 20% by identifying top content.
- **Technologies:** Used SQL (MySQL)

## Academic Qualification:

- B.Tech in Computer Science Engineering  
St. Mary's Technical Campus Kolkata, MAKAUT || 2022 || 81%
- Higher Secondary  
Bengai High School, WBSCTVESD || 2017 || 78%

## Language:

Hindi || English || Bengali