

Sumit Kumar Rana

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[LinkedIn](#) | [GitHub](#)

EDUCATION

D.Y Patil University Master of Computer Application [MCA]	Oct 2020 – Sept 2022 Pune, Maharashtra
Kolhan University Bachelor of Computer Application [BCA]	June 2014 – Sept 2018 Jamshedpur, Jharkhand

PROFESSIONAL EXPERIENCE

Care Risk Solution Pvt Ltd (Risk and Compliance Solution to Financial institute and Banks) Software Development Engineer	June 2022 – Dec 2022 Pune, Maharashtra
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- **Snowflake Expertise:** Gained a deep understanding of Snowflake's architecture and best practices for cloud data warehousing, resulting in improved data processing efficiency and enhanced skills in data security and management.
- **Query Optimization & Data Integration:** Reduced query execution times and improved data transfer reliability using Snowflake's COPY command
- **Optimized Query Execution:** Reduced query execution time through process optimization, significantly enhancing system response and data retrieval times.
- **Automated Data Pipelines:** Implemented Snowpipe to automate data ingestion, reducing manual effort and streamlining data pipelines for real-time updates and accuracy.
- **Change Tracking & User Management:** Used Snowflake streams to track data changes, improving synchronization and managed user roles to strengthen security and compliance readiness.
- **Continuous Improvement:** Applied the latest Snowflake features to reduce system outages, while continuously enhancing proficiency with Snowflake tools and techniques..
- **User Management:** Managed user roles and permissions in Snowflake, ensuring compliance with data governance policies and improving security and audit readiness
- **Continuous Improvement:** Staying updated with the latest Snowflake advancements, I integrated new features that reduced system problems and enhancing my overall proficiency as a Snowflake developer..

SKILLS

- **Programming Languages:** Python, Java, SQL
- **Frontend / Backend / Database:** HTML, CSS, React.Js, Node.JS, MySQL, MongoDB
- **Developer Tools & Others:** GitHub, Git, CI/CD Pipelines, AWS (S3, EC2, IAM), Docker
- **Data Engineering:** Snowflake, Power BI, ETL
- **Others :** SDLC, OOPs, Agile, VSCode

PERSONAL/COLLEGE PROJECTS

- **JSON Validator (React, JavaScript, HTML, CSS):**
 - Built a web-based JSON validator using React, enhancing user experience with real-time validation and error reporting
 - Designed a responsive and intuitive UI using HTML, CSS, and JavaScript, allowing users to easily validate and format their JSON data
 - Ensured compatibility with various browsers for a consistent user experience
- **Uber Data Analysis (ETL, Python, Data Visualization):**
 - Processed and analysed large volumes of Uber ride data, providing actionable insights for stakeholders
 - Created interactive dashboards for stakeholders, providing real-time insights into Uber ride metrics
 - Used efficient data cleaning methods to handle missing values and outliers in the dataset
- **Library Management System (Java, SQL):**
 - Designed and implemented a Library Management System using Java and SQL, managing book records, member details, and transaction history
 - Optimized SQL queries to ensure fast data retrieval and improved system performance, facilitating seamless library operations
 - Implemented search functionality for users to easily find books by title or author

LANGUAGE

English, Hindi