Shomrita Singha

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PROFILE SUMMARY

Results-driven professional and software engineer analyst, specializing in Level 1 support for PL/SQL and Redshift migration. Proven track record of driving technology projects and ensuring seamless transitions. Proficient at an L1 level in Excel and Tableau, with a focus on creating actionable reports for team optimization. Strong analytical skills and communication abilities. Seeking to leverage this diverse skill-set to take on new challenges in IT and delivering data-driven solutions.

EDUCATION

Techno India - Salt Lake   Kolkata, WB, India
Bachelor of Technology in Civil Engineering   *July 2017 – May 2021*

SKILLS

Languages	:	C++, Python (Pandas, NumPy, Matplotlib, Seaborn)
Databases	:	MySQL, PL/SQL
Cloud Services	:	AWS Redshift
Softwares	:	Tableau, MS Excel (Pivot Charts, Vlookup, Xlookup, Conditional Formatting)
Tools	:	JIRA, Confluence, GitLab
Soft Skills	:	Communication, Project Management, Team Collaboration

CERTIFICATIONS

- C++ Programming -Beginner to Advance- Deep Dive in C++
- Tableau Desktop Qualified Associate Certification
- NoSQL: Neo4j and Cypher (Beginners)

EXPERIENCE

Software Engineer Analyst   October 2021 – Present
Tata Consultancy Services   *Kolkata, WB, India*

- Conducted daily health checks, participated in team huddles for updates, and maintained a comprehensive understanding of application functionality to track scope for health checks.
- Provided level 1 support for PL/SQL legacy systems, monitoring on-premises jobs using SQL queries.
- Developed and implemented an advanced reporting system utilizing Excel and Tableau to track KPIs and optimize operational efficiency. Resulted in a 20% increase in team productivity and facilitated data-driven decision-making.
- Assisted in PL/SQL bug fixes, including code analysis and support for fixes.
- Supported AWS migration by analyzing on-premises tables and attributes for Redshift integration.
- Provided application support using Jira for issue tracking and resolution.
- Reviewed code, created technical documentation, and optimized workflows.
- Utilized GitLab to facilitate version control and streamline collaboration through merge requests.

INDEPENDENT PROJECTS

E-commerce Sales Analysis (MS Excel) View here

- Generated strategic insights and recommendations based on data findings, identifying target customer segments and key areas for sales improvement in a dynamic and interactive dashboard format.

Housing Sales (Tableau) View here

- Analyzed King County House Sales data in Tableau, revealing key metrics like average prices, price fluctuations, location-based variations, and property characteristics for strategic real estate insights.

HR Analysis Attrition Dashboard (Tableau) View here

- Gained actionable insights into employee attrition dynamics through interactive exploration of demographic trends, departmental analysis, and job role distribution to formulate targeted retention strategies and foster employee engagement for organizational success.

Population Insights (Pandas, Seaborn, Matplotlib) View here

- Utilized Python libraries (Pandas, Seaborn, Matplotlib) to extract, analyze, and visualize global population data, revealing trends, correlations, and actionable insights for strategic decision-making."