Dear Hiring Manager at Tata Consultancy Services,

Meet

As a skilled graduate student in Big Data, Cloud, and Software Development, I am excited to apply for the Oracle Database Administrator position at Tata Consultancy Services. With a strong foundation in database administration and technical skills, I am confident that I can make a valuable contribution to your team.

Here are some key skills and qualities that I possess, as demonstrated by my experiences:

• Oracle Database Administration: As a graduate student, I have developed a strong understanding of database administration principles and practices. In my role as a Business and HR Analyst at Arizona State University, I have worked with various databases, including Oracle, to extract, analyze, and visualize reports. For instance, I used SQL to optimize SARGability, implemented composite indexing, and restructured queries, resulting in a 50% reduction in execution times and improved efficiency in a Snowflake-based data warehouse.

• PostgreSQL and SQL: In my experience as a Data Analyst Intern at Cube Logistics, I worked with PostgreSQL and SQL to enhance query performance. I optimized SARGability, implemented composite indexing, and restructured queries, resulting in a 50% reduction in execution times and improved efficiency in a Snowflake-based data warehouse.

• Python and CICD: As a graduate student, I have developed a strong understanding of Python and its applications in database administration. In my role as a Business and HR Analyst at Arizona State University, I used Python to automate manual processes, such as formatting accounts data, achieving a 97.22% reduction in processing time from 12 hours to 20 minutes.

• Agile Development and Application Design: In my experience as a Machine Learning Intern at Tequed Labs, I worked on a house price prediction project, utilizing Python to handle missing values, outlier detection, and feature engineering, resulting in a model with 20% improved pricing accuracy in a tight timeline.

• Design, Build, and Test Oracle Tables/ETL: As a graduate student, I have developed a strong understanding of database design principles and practices. In my role as a Business and HR Analyst at Arizona State University, I designed, built, and tested Oracle tables, utilizing my knowledge of database administration principles and practices.

I am excited about the opportunity to bring my skills and experience to Tata Consultancy Services and contribute to the success of your team. Thank you for considering my application.

Sincerely,
Harsh Victor Challa.