Dear Sir/Madam,

I am writing to apply for the Data Engineer position. I am currently pursuing a Master’s in Data Science course from Illinois Institute of Technology, my cumulative GPA is 3.71 out of 4, in addition to that, I hold a Master of Science degree in Statistics, with two years of hands-on analytical experience. I am proficient in Python, R, SQL, and statistical packages. I have a strong interest in project development, and I am excited to work with the service design team to design, document, build, secure, and maintain software product development solutions.

Speaking about my experience in analytics, I joined Tata Capital Financial Services Ltd. after completing my Bachelor in Statistics, I have undertaken project requirements with Tech Leads to build comprehensive project plans for a used car and two-wheeler dealerships. Further, I have implemented change data capture using slowly changing dimensions type 1 and type 2, using streams and time travel concepts in snowflake. I have worked as a Data Science intern at Nielsen India Inc. which involved using analytical rigor and statistical methods, this project involved sampling, weighting, and projection enhancements to reduce the time consumption for data validation processes by almost 25 %. One of the components of the project was to perform data visualization using R Shiny. I joined Greeksoft Technologies Pvt. Ltd. for a stock price forecasting project where I have used LSTM recurrent neural networks using Keras package in python and backtested the model for a period of 2012-17 with the correct trend prediction for 71 % of the total number of the days.

After my Masters of Statistics program, I joined Cartesian Consulting Pvt. Ltd., as an Analyst where I have gained exposure to working under multiple projects of varied domains. It involved working in the grocery domain for assisting their marketing team using MariaDB SQL, predicting most valuable customers for a research publication organization, and conducting a research project for evaluating whether ‘Fantasy Sports is a game of skill or luck’. I have extensively used SQL and Microsoft Excel, for querying the customer database and developing the metrics for the business, for further analysis I have used Power BI and Tableau for data visualization. Currently, I am working as a Data Engineer intern at Daten Solutions, where I am involved in data migration from SQL Server to Snowflake. I have implemented data modeling concepts like Snowflake schema, Change Data Capture, CI/CD, etc. using streams and merge concepts in snowflake. I have used agile technologies such as ZenHub for sprint planning and project development. I have utilized the concepts of time travel, streams and merge, dimensional modeling, cloning, and materialized views for creating a data warehouse in snowflake.

I am fluent in English and Hindi. I am open to learning new languages, to communicate better with the stakeholders. My strengths include an understanding of machine learning techniques, strong attention to detail, analytical skills, critical thinking skills, written and oral communication skills, storytelling through data, problem-solving skills, strong motivation, work ethic, ability to work creatively and analytically in a problem-solving environment, ability to work within a virtual global team environment and contribute to the overall timely delivery of multiple projects, presentation abilities, and curiosity to learn more about the data. I would love a chance to bring my skills, knowledge, and abilities to you EXL as your new Data Engineer.

Sincerely,

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