Shouvik Sharma

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Dear Hiring Manager,

I am writing to express my interest in the Data Engineer position at Heliocampus, as advertised. With a solid background in data engineering and a proven track record of designing and implementing scalable data solutions, I am excited about the opportunity to contribute to your team and advance Cash App's vision of building products for economic empowerment.

In my current role as a BI Engineer at Avant LLC, I have spearheaded initiatives to enhance data reliability and accessibility while optimizing data pipelines for improved efficiency. Notably, I implemented robust data quality checks using SODA for real-time validation, resulting in a 30% reduction in data discrepancies. Additionally, my experience includes enhancing financial crimes compliance systems by implementing advanced AML transaction monitoring typologies and rules, leading to a 20% increase in detection accuracy, which directly aligns with the requirements of the role at Heliocampus.

Moreover, I have a strong proficiency in designing, developing, and managing scalable ETL pipelines, as well as expertise in SQL (Snowflake, MySQL) and Python. I have also leveraged data visualization tools like Looker and Tableau to create actionable insights for key stakeholders. My familiarity with schema design, query optimization, and data pipeline maintenance, along with experience in tools such as Airflow, Prefect, and Github, further positions me as a strong candidate for this role.

Furthermore, I hold a master’s degree in computer science and mathematics from the Illinois Institute of Technology, where I gained hands-on experience in big data technologies, database management, and data preparation and analysis. Additionally, I am a Snowflake Pro Certified Professional and a Databricks Certified Associate Data Engineer.

I am particularly excited about the opportunity to work with engineering and product teams to design and build financial crimes ETL pipelines, create monitoring queues to detect suspicious activity, and build dashboards to monitor infrastructure health, among other responsibilities outlined in the job description.

Thank you for considering my application. I am eager to further discuss how my skills and experiences align with the needs of your team. Please find my resume attached for your review, and I look forward to the possibility of contributing to the success of Heliocampus.

Warm regards,

Shouvik Sharma