18th February 2020

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CPB Contractors,
Sydney, NSW

Hello Hiring Team,

I came across a position for Graduate, Data Science at CPB Contractors, posted on LinkedIn. I hold a master's degree in Data Science from the University of South Australia, Adelaide. My previous studies include a bachelor's degree in Computer Science from the Parul Institute of Engineering and Technology, Vadodara, India and a hands-on course on Apache Spark and Hadoop from Cloudera.

I have worked as a Data Visualization Consultant with Adelaide City Council where my primary objective was to gain valuable data insights with the help of visualizations. My work included cleaning, merging and transforming data by using a variety of tools such as DAX query editor (Power BI), Excel, and using python libraries. I am also responsible for designing and building interactive dashboards using different data visualization techniques. My work has allowed the retailer's internally within the council to properly monitor the business information of Adelaide CBD.

During my master's curriculum, I have successfully completed a Capstone professional internship at the City of Adelaide Council. My role as a Data Science intern included conducting an extensive search on the data governance framework of different states in Australia and creating dashboards for the Smart City Project.

I am also working with Artificial Intelligence Collaborative Network (AICN); a community-led organization interested in Artificial Intelligence, Machine Learning and Data Science. As part of the AICN project, I'm volunteering as a Data Analytics Specialist at Birthing Kit Foundation Australia (BKFA), a not-for-profit organization. My work involves processing XML files using PySpark for developing a relational analytics database.

I have enclosed my CV to support my application. It shows that I would bring important skills and competencies to the position, including:

- Advanced knowledge of Python data analysis, wrangling and manipulation libraries such as Pandas, and Numpy.
- Knowledge of relational database system.
- Advanced knowledge of data visualization tools (PowerBI, Tableau) and techniques.
- Well versed with data structures and algorithms to perform the task efficiently.
- Experience in building and deploying ML models.
- Experience with tools in the Hadoop Ecosystem including Spark, Hive / Impala, Sqoop, Flume, Pig and MapReduce to perform Extract, Transform Load (ETL) and Aggregation of data.

- Good experience on Spark RDD, Spark application building and deploying, and Spark SQL data frames.
- Knowledge and relative experience in different file formats such as SequenceFile, Avro, and Parquet using it with Sqoop, Hive, Impala, and Spark.
- Collaborates well across technology groups.

I would enjoy having the opportunity to talk with you more about this position, and how I can contribute to your organization.

Thank you for considering my application. I look forward to hearing from you.

Yours sincerely,
Divyesh Lad