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Epoch Capital

Sydney, NSW

Hello Hiring Team,

I came across a position for Python Data Analyst posted by the Epoch Capital, 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. I'm fluent in several data management systems and software, including Excel, Microsoft SQL Server, SAS Enterprise Miner / Studio, Hive, Impala, and MySQL. Moreover, I’ve hands-on-experience in Big data tools and technologies with certification in Cloudera Spark and Hadoop Developer (CCA 175).

In my current role as a Data Analytics Research Assistant at the University of South Australia – C3L lab, I have worked closely with the Teaching and Innovation unit to monitor students' online engagement activity.  **My day-to-day responsibility involves integrating, managing, storing, and analyzing different data sources to provide accurate reports on students' video watching habits**. Furthermore, I'm also responsible for handling an end-to-end machine learning project for estimating students' performance.

As a Data Visualization Consultant working with the Adelaide City Council, I have provided valuable business insights in the form of dashboards and reports for the Smart CBD project. During the project,**I had shown the capability of extracting and wrangling raw data into meaningful information by using Power BI inbuilt query editor (DAX)**. My work has allowed the retailer’s internally within the council to properly monitor the vacancy and occupancy rates of businesses in Adelaide CBD.

During my master’s curriculum, I have also completed a Capstone professional internship with the City of Adelaide council. **My role as a Data Science Intern included conducting extensive research on the data governance framework of different states in Australia and creating Power BI dashboards for the Smart City Project**. The qualitative research assisted the council in drafting open data policy for the citizens of Adelaide.

I have also worked 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’ve volunteered as a Data Analytics Specialist for Birthing Kit Foundation Australia (BKFA), a not-for-profit organization. **I have contributed to the project by helping the organization to design, create, and manage a relational database for inventory, bookings, and partners module.**

Moreover, I have a good knowledge of writing scripts **T-SQL** queries in Microsoft SQL Sever environemt. Furthermore, I'm familiar with concepts such as query programmability and query performance to **optimize the computation cost** structure of queries, keeping track of error logs to**debug** erros, and authentication, masking, and encryption protocols to **secure** the database system.

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 and R** data analysis, wrangling, and manipulation libraries.
* Advanced knowledge of **data visualization tools** (PowerBI, Tableau) and techniques.
* Intermediate knowledge of data management tools and software such as**Microsoft SQL Server Management Studio.**
* Experience in building and deploying **Machine Learning models**.
* Implemented diverse projects using **Predictive, Descriptive, and Perspective** data mining algorithms.
* Hands-on experience in the SAS environment and its tools such as **SAS Studio** and **SAS Enterprise Miner**.
* Experience with tools in the Hadoop Ecosystem including **Spark, Hive / Impala, Sqoop, Flume, Pig,** and **MapReduce** to perform ETL, aggregation, and processing of large volumes 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