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Microsoft

Adelaide, AU

Hello Hiring Team,

I came across a position at Microsoft for Data & AI Technology Intern, 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, and certification in Cloudera Hadoop and Spark 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.**

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 (Pandas, Numpy, SciPy).
* Advanced knowledge of **data visualization tools** (PowerBI, Tableau, Matplotlib, Seaborn, Plotly) and techniques.
* 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