Dileep Allagadda

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### EDUCATION

**Master of Science (M.S.) in Computer Science** August 2024 - Present University of Central Missouri

*Coursework: Data Structures and Algorithms, Advanced Database, Cloud (AWS), Advanced Operating Systems, Compiler Design*

### WORK EXPERIENCE

**CMR Institute of Technology** 2022 - 2024  
 ***Data Analysis Assistant***

* Collected data on student performance in our college coding competition to assess problem-solving skills.
* Used SQL functions like MIN, MAX, and AVG to analyze score distributions, identifying performance ranges.
* Cleaned data with Python, using dropna() for missing values and replace() for standardization, ensuring accuracy.
* Designed Power BI dashboards with Power Query to enable faculty to filter and assess student performance by criteria.
* Modeled data with Power Pivot and created interactive reports with Power View to track individual performance.
* Gathered and analyzed departmental contributions data for college charity events using SQL commands like SUM, COUNT, and GROUP BY to assess engagement and highlight top contributors.
* Created Power BI dashboards with Power Map for geographic insights and Power Q&A for dynamic data exploration, accessible across devices via Power BI Desktop.
* Improved data accuracy with Python’s duplicated() and drop\_duplicates() commands and scheduled automated Power BI updates, providing timely insights for strategic planning.

### PROJECTS

**Sales Insights Data Analysis Project**

* Developed a Power BI dashboard using SQL for a computer hardware business to provide real-time sales insights in a dynamic market.
* Supported strategic decision-making for the sales director with targeted data analysis and actionable insights.

**T20 World Cup Cricket Data Analysis**

* Gathered T20 World Cup 2022 data via web scraping from ESPN Cricinfo and used Python (Pandas) for data transformation and cleaning to analyze player statistics.
* Built an interactive Power BI dashboard to showcase insights on player performance, team composition, and key metrics.

**COVID-19 Impact Analysis Dashboard**

* Built an interactive Tableau dashboard to analyze global COVID-19 data, highlighting metrics on confirmed cases, deaths, and vaccination rates.
* Used SQL for data exploration and cleaning, creating KPIs, symbol maps, and trend graphs to support data-driven public health decisions..

### SKILLS

* **Data Analytics**: SQL, Python, Power BI, Excel, Tableau
* **Data Management**: Data Cleaning, Data Collection, Data Visualization
* **Programming**: HTML, CSS, JavaScript, C, Java
* **Additional Tools**: SQL Server, MySQL, Git, Oracle DB, Angular, Node.js

### CERTIFICATIONS

* **HTML Fundamentals** and **CSS** – Sololearn
* **The Fundamentals of Digital Marketing** – Google Digital Garage
* **Foundations of User Experience (UX) Design** – Coursera
* **Prompt Engineering for ChatGPT** – Coursera

### ACHIEVEMENTS

* Selected as an International Delegate to Harvard University's prestigious Harvard Project for Asian and International Relations 2021 Conference.