INDRA KIRAN REDDY BONTHU

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Objective

Recent graduate with a strong foundation in data analytics, statistical modeling, and visualization, skilled in Python, SQL, and Power BI. Seeking an entry-level Data Analyst role to leverage analytical and problem-solving skills to deliver actionable insights and support data-driven decision-making.

Education

University at Buffalo, State University of New York   **08/23 - 12/24**
Masters of professional studies in Data Sciences and Applications - 4.0/4.0   *Buffalo, New York*

Amrita Vishwa Vidyapeetham   **07/17 – 05/21**
Bachelor of Science in Electronics and Communication - 7.77/10   *Coimbatore, Tamil Nadu*

Technical Skills

Programming Languages: Python Programming, SQL, R
Data Visualization: Tableau, Power BI, Matplotlib, Seaborn
Database: Oracle, MySQL, Azure CosmosDB, MongoDB, sqlite
Machine Learning & AI: Scikit-learn, TensorFlow, Keras
Cloud Platforms: Azure
Data Analysis: Pandas, NumPy, Excel
Version Control: Git, GitHub
Developer Tools: VS Code, Jupyter Notebook, Spyder, Google Colab

Experience

Eitacies INC   **Santa Clara, CA**
Machine Learning Engineer Intern   *05/24 – 08/24*

- **Built real-time detection models** using Python, Machine Learning and NLP techniques to analyze text and audio data, achieving **93%** accuracy.
- Developed **data pipelines** to provide real-time alerts and insights during conference calls.
- Integrated machine learning models with **MongoDB**, enabling efficient data storage and retrieval for analysis.
- Optimized system performance by **15%** through hyperparameter tuning and regularization techniques.

Tata Consultancy Services   **Bangalore, India**
Web User Interface Developer   *01/22 – 07/23*

- Developed **scalable web applications** using ASP.NET MVC and Blazor, improving UI performance by **20%**.
- Streamlined backend processes by integrating data from **Azure Table Storage** and **Azure CosmosDB**.
- Designed **RESTful APIs**, reducing system response time by **30%**.
- Migrated legacy data using **Azure Data Factory**, improving data processing time by **50%**

Assistant System Engineer   *08/21 – 12/21*

- Automated CSV-to-JSON transformations using **Azure Function Apps**, enabling efficient data transfers.
- Leveraged **Azure Service Bus and CosmosDB** for real-time data storage and access.

Projects

Data Visualization Project: E-Commerce Sales Dashboard | *Power Bi, Visualization*   **12/24**

- **Designed** an **interactive dashboard** to **analyze** sales, profit, and customer segments.
- Highlighted **trends** in product profitability, aiding strategic business decisions.

Global Layoffs Analysis | *MySQL, Data Cleaning, EDA*   **12/24**

- **Cleaned and analyzed** layoffs data, identifying industry trends and regional patterns.
- Eliminated duplicates, standardized text fields, formatted dates, and handled null values to enhance data quality.
- Used **advanced SQL techniques**, including **window functions and CTEs**, for **comprehensive analysis**.
- Created an **interactive Power Bi dashboard** to **visualize trends** in layoffs by company, country, and year, enabling **data-driven insights** for stakeholders.

COVID-19 Data Integration and Visualization System | *Jupyter Notebook, Python, Sqlite3, Visualization* **12/23**
  * Created **normalized tables** in **SQLite** and performed **data analysis** using **Pandas**.
  * **Visualized** COVID-19 trends, such as confirmed cases and deaths, using **pie charts and box plots**.

End-to-End Database Design and Implementation Project | *Oracle, SQL, Normalization* **12/23**
  * **Analyzed business requirements** to identify **entities, attributes, and relationships** for database design.
  * Designed and implemented a fully normalized database using **Entity-Relationship (ER) modeling**.
  * Established **primary and foreign keys** to maintain **data integrity** and **eliminate redundancy**.
  * **Implemented SQL table definitions** and conducted **comprehensive testing** to ensure **data consistency** and performance.