INDRA KIRAN REDDY BONTHU

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Summary

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.

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%**.
- Optimized backend operations through seamless integration of **Azure Table Storage** with **Azure CosmosDB**; identified key bottlenecks preventing efficient processing, leading to an average reduction of response time by 12 seconds per query.
- 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** conversions with **Azure Function Apps**, reducing manual effort by **70%**.
- Established real-time **data access** systems using **CosmosDB**, boosting operational efficiency by **40%**.

Projects

E-Commerce Sales Dashboard | *Power Bi, Visualization* | ⌾ *link* **12/24**

- Built a **dashboard** analyzing **sales trends** across 5 product categories, helping increase profitability by **12%**.
- Created **actionable insights** for stakeholders by integrating real-time sales data.

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

- **Cleaned** and **analyzed** a dataset of 100,000+ records to identify industry-wide layoff trends.
- Developed **visualizations** to track layoffs by region and sector, guiding policy discussions.

COVID-19 Data Integration and Visualization System | *Jupyter Notebook, Python, Sqlite3, Visualization* **12/23**

- Designed an automated **pipeline** to **normalize data** and track case trends for 200+ regions.
- Presented findings with **pie charts** and **box plots**, supporting **decision-making** in health policies.

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

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*