**RAJA MUPPIDI**

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**PROFESSIONAL SUMMARY**

Experienced Clinical Data Analyst with 4+ years in healthcare data analysis. Skilled in SQL, Python, Tableau, and Power BI. Expert in transforming raw data into actionable insights, achieving 98% accuracy in datasets and improving predictive model accuracy with advanced machine learning.

**PROFESSIONAL EXPERIENCE**

**Data Analyst Intern** | Mindaigle | Michigan **May 2024 - Present**

* Integrated data exchange partners, ensuring accurate health data reporting. Improved data quality for over 500 patient records, ensuring HIPAA compliance.
* Queried, cleaned, validated, and transformed medical data using SQL, Tableau, and Power BI. Achieved a 98% accuracy rate for datasets over 1 million records.
* Enhanced data analysis by 40% with advanced machine learning techniques using Python and TensorFlow, leading to more accurate predictive models.

**Research Assistant** | Henry Ford Health | Detroit, Michigan **January 2024 – April 2024**

* Analyzed and reported over 1,000 knee radiographs for density modeling using Python and MITK software, improving fracture risk prediction accuracy by 20%.
* Utilized SQL and Python to clean, validate, and transform large datasets, leading to accurate and actionable insights that improved patient care outcomes.
* Improved EHR interoperability and managed data exchange activities, ensuring data quality and consistency led to more accurate patient records and enhanced clinical decision-making.

**Clinical Data Analyst** | Corptechsolutions | Kakinada, India **August 2020 – December 2022**

* Engineered scalable AI models to enhance database management, achieving near-perfect data accuracy and reducing processing time by 40%, and have passed all the test cases.
* Improved data integration in healthcare projects by leveraging SQL, Azure Data Studio, and Google Looker Studio, resulting in enhanced data-driven decision-making.
* Developed systematic data entry and quality assurance processes using Microsoft Office Suite, maintaining documentation and issue tracking across internal applications, improving primary care providers' data accuracy.

**PROJECTS**

Vital Signs Management System, Michigan Tech [github.com/rajamuppidi/vitalmanagementsystem](https://github.com/rajamuppidi/vitalmanagementsystem)

* Create a comprehensive system for managing patient vital signs, including an intuitive dashboard and a robust MySQL database. Enhanced data accessibility and management efficiency while ensuring HIPAA Compliance standards for Data Privacy and security.

Stress Level Prediction Using Artificial Intelligence [github.com/rajamuppidi/stresslevelprediction](https://github.com/rajamuppidi/stresslevelprediction)

* Leveraged ML and NLP to analyze text data from online platforms, predicting stress levels with 92% accuracy using models like Naive Bayes, LSTM, GRU, and ensemble models to enhance early diagnosis and intervention in mental health.

**CERTIFICATIONS**

* Work Easy with Microsoft Excel | Microsoft | 2024
* Fundamentals of Visualization with Tableau | University of California, Davis | 2024
* Python For Data Analysis: Pandas & Numpy | Coursera | 2022
* Learn SQL | Codecademy | 2022
* Data and Health Indicators in Public Health Practice | The Johns Hopkins University | 2020
* Machine Learning for Business Professionals | Google Cloud | 2020

**SKILLS**

**Technical Skills:** SQL, Python, Tableau, Power BI, and Microsoft applications like Microsoft Office Suite, including Word, Excel, PowerPoint, MS Teams, Google Looker Studio, Azure Data Studio, Google Suite, and Microsoft Suite.

**Hard Skills**: HL7, EHR, ICD-10, HIPAA, Data Visualization, Data Analytics, Predictive analysis, Electronic Health Records.

**Soft Skills:** Strong oral and written communication, Customer Support, Project Management, Collaboration, Problem-solving, Attention to detail, Analytical thinking, Adaptability, and Troubleshooting.

**EDUCATION**

**Michigan Technological University,** Houghton, Michigan **Expected December 2024**

Masters in Health Informatics, GPA: 4.0

**Jawaharlal Nehru Technological University,** Hyderabad, India **August 2014 – July 2020**

Doctor Of Pharmacy (Pharm.D), GPA: 3.75