

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

- 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

- 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

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.

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