

SUSITRA GNANASAMBHANDAM

Healthcare Data Analyst / Business Intelligence (BI) Analyst / Clinical Informatics

susitragnanasambhandam@gmail.com | +1 (864) 722-7800 | linkedin.com/in/susitrag192a | sgnana-data.github.io/susi-portfolio

SUMMARY

Healthcare Data Analyst specializing in EHR workflows, clinical research data, and HIPAA-compliant analytics. Strong background in SQL, Power BI, and BI reporting, with graduate training in Biomedical Data Science and research experience at Harvard-affiliated Brigham and Women's Hospital.

EDUCATION

Master of Biomedical Data Science & Informatics , Clemson University	08/2024 – 12/2025
GPA: 3.75/4.0	
Bachelor of Biomedical Sciences (Hons.) , Sri Ramachandra Institute of Higher Education and Research	08/2019 – 02/2024
GPA: 8.61/10	

PROFESSIONAL EXPERIENCE

Brigham and Women's Hospital, Harvard Medical School, <i>Intern - Engineering in Medicine</i>	04/2023 – 10/2023 Boston, MA
• Supported clinical diagnostics research involving point-of-care fertility devices and imaging workflows.	
• Supported development of CNN-based models , improving diagnostic accuracy by 30% .	
• Organized, validated, and documented clinical and imaging datasets for downstream analysis.	
• Prepared analytical summaries supporting research and clinical decision-making.	
Cozy Systems - Data Analyst	04/2025 – 12/2025 Cumming, GA
• Built and maintained Power BI dashboards supporting healthcare operations, data quality monitoring, and executive reporting.	
• Automated ETL pipelines (SSIS) integrating SQL Server, Excel, and API data, reducing manual effort by 40% .	
• Developed DAX measures, KPIs, forecasting dashboards , and implemented Row-Level Security (RLS) .	
• Optimized SQL queries and indexing, improving performance by 30% .	
• Performed routine data validation, reconciliation, and QA to ensure accurate reporting.	
Cozy Systems - SQL/Power BI Developer	11/2023 – 08/2024 Chennai, IN
• Designed and implemented a SQL Server data warehouse using star-schema modeling.	
• Built stored procedures, SSIS packages, and semantic models for validated and secure reporting.	
• Supported enterprise BI solutions aligned with operational and compliance requirements.	

TECHNICAL SKILLS

BI & Analytics: Power BI, Tableau, DAX, Excel Dashboards

Databases & ETL: SQL, SQL Server, T-SQL, SSIS, SSRS, MongoDB,

Programming & Statistics: Python, R, SAS, Regression, Statistical Modeling,

Healthcare Informatics & Clinical Systems: EHR Systems, **REDCap**, ICD-10, CPT, FHIR, HL7, HIPAA, Clinical Decision Support

Tools & Platforms: Power BI Service (RLS), Git, Jira, APIs, Microsoft Office

PROJECTS

FHIR Bulk Data Ingestion Pipeline (MongoDB + Python)

Healthcare Data Engineering Project

08/2024 – 12/2025

- Built a scalable Python pipeline to ingest bulk **FHIR NDJSON** data into **MongoDB**, simulating a real-world EHR backend.
- Processed key FHIR resources (Patient, Observation, Condition, Encounter) to support analytics, reporting, and CDS use cases.

Biomedical Informatics (EHR & CDSS) Clemson University

Graduate Healthcare Informatics Project

08/2024 – 12/2025

- Worked with EHR charting, vitals, orders, and documentation aligned with SAFER guidelines to understand clinical workflows.
- Evaluated CDSS alerts and applied ICD-10, CPT, FHIR, HL7, and HIPAA standards to support safe clinical data use.

PUBLICATION

Fertility and Sterility

12/01/2024

Mitsunami, M., Kandula, H., Sivakumar, A.D., Deshpande, T.G., Kumar, J., **Gnanasambhandam, S.**, Thirumalaraju, P., Kanakasabapathy, M.K., Bormann, C.L., Kathrins, M., Shafiee, H., Chavarro, J.E., & Hart, J.E.