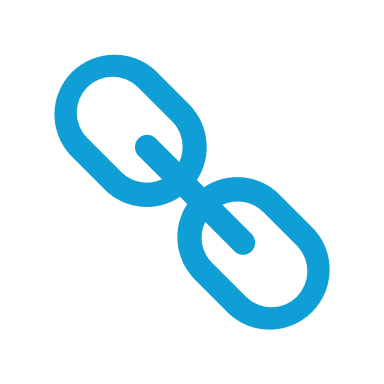
**PARVEEN RABIA** 

**SAS Developer | Statistical Programming | Data Analysis | Clinical Research & Epidemiology | Medical Doctor**

 +1-(601)-307-7963  [parveenrabia890@gmail.com](mailto:parveenrabia890@gmail.com)  [www.linkedin.com/in/parveen-rabia](http://www.linkedin.com/in/parveen-rabia)  Aurora, IL

**PROFESSIONAL SUMMARY**

SAS Developer and Statistical Programming expert with over 8 years of progressive experience in statistical programming, data analysis, and clinical research. Proficient in SAS, IBM-SPSS, R, SQL, and data visualization tools, with a proven track record of achieving a 30% reduction in manual data processing efforts through automation and improving data accuracy by 25%. Expertise in transforming complex datasets into actionable insights that enhanced operational efficiency and supported successful regulatory submissions, including FDA compliance. Skilled in CDISC SDTM/ADaM standards and advanced statistical methodologies, delivering high-quality analytical solutions that directly contributed to evidence-based decision-making. Recognized for mentoring junior programmers, streamlining workflows to save over 1,000 hours annually, and fostering cross-functional collaboration to achieve project goals effectively.

**TECHNICAL SKILLS**

Statistical Programming

SAS (SAS/BASE, SAS/MACRO, SAS/STAT, SAS/GRAPH, SAS/ACCESS, SAS/SQL, SAS/ODS), SPSS, R

Data Management

SQL, Data Cleaning, Data Transformation, CDISC Standards (SDTM, ADaM)

Data Visualization

Tableau, SAS Visual Analytics, ggplot2 (R)

Other Tools

Open CDISC Community, EDC Systems

Databases

Microsoft SQL Server, Oracle, Teradata, DB2

Operating Systems

WINDOWS, UNIX, LINUX, Mac OS

Statistical Analysis

Regression Models, Survival Analysis, Hypothesis Testing

Clinical Research

TLF Generation, ISE/ISS, Regulatory Submissions (FDA)

Project Collaboration

Cross-functional Team Leadership, Stakeholder Communication, Technical Documentation

Quality Assurance

Data Validation, QC Procedures, PROC COMPARE

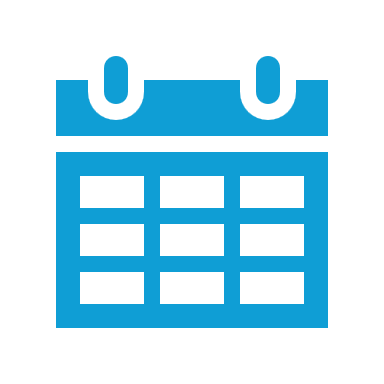
Soft Skills

Attention to Detail, Problem-Solving, Communication Skills, Time Management, Critical Thinking, Adaptability, Project Management, Analytical Mindset, Organizational Skills

**CERTIFICATIONS**

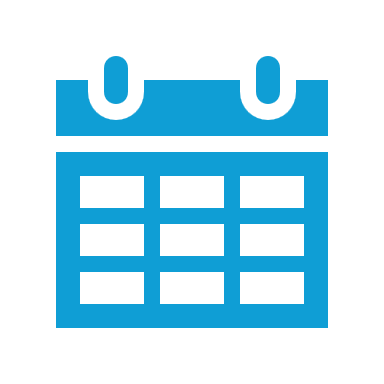
* SAS Certified Professional: Advanced Programming using SAS 9.4
* SAS Certified Specialist: Base Programming using SAS 9.4

**PROFESSIONAL EXPERIENCE**

Clinical SAS Developer  01/2023 – Present

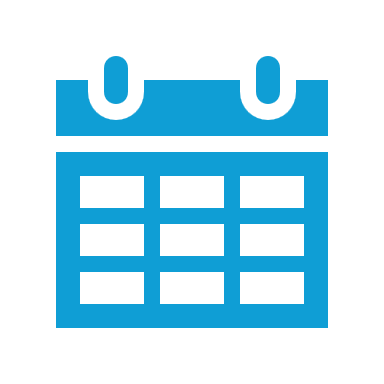
**Robot Insight Technologies, Inc.**  Rolling Meadows, IL

* Played a pivotal role in the Advanced Melanoma Immunotherapy Efficacy and Safety Trial streamlining data analysis processes thereby reducing manual processing time by 30%, improving team workflow efficiency and ensuring the project stayed on track for regulatory deadlines.
* Spearheaded the development and refinement of standard SAS programming macros, resulting in a 25% reduction in errors and enhanced consistency in clinical data analysis.
* Managed the creation of tables, listings, and figures (TLFs) for Clinical Study Reports (CSR), ensuring alignment with the Statistical Analysis Plan (SAP) and regulatory requirements.
* Designed and delivered a comprehensive oncology data analysis project, creating ADaM datasets (e.g., ADTU, ADTR, ADRS, ADTTE, ADEFF) that supported regulatory submissions for a groundbreaking immunotherapy trial.
* Conducted statistical analyses for Integrated Summaries of Efficacy (ISE) and Safety (ISS), ensuring data accuracy and meeting FDA submission standards.
* Automated the transformation of EDC and E-Diary raw datasets into CDISC SDTM and ADaM-compliant datasets, addressing challenges in data consistency and variable alignment.
* Performed quality assurance checks using PROC COMPARE, identifying and resolving data discrepancies to uphold data integrity and accuracy.
* Collaborated on an executive-level reporting project, implementing innovative data visualization techniques with SAS Visual Analytics to create intuitive dashboards used by key stakeholders for decision-making.
* Mentored junior team members, providing guidance on SAS programming best practices, and contributing to their professional development.
* Delivered ad-hoc data analyses for clinical inquiries, utilizing advanced statistical methodologies and domain expertise to address project-specific needs.
* Acted as the primary liaison between statistical programming and cross-functional departments, ensuring alignment with organizational goals and timelines.
* Contributed to the successful FDA submission of a novel oncology treatment by ensuring the accuracy and compliance of clinical datasets and statistical outputs.

SAS Programmer (Intern)  08/2022 – 12/2022

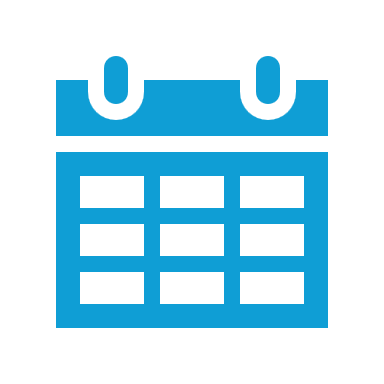
**College of Nursing & Health Professions, The University of Southern Mississippi**  Hattiesburg, MS

* Spearheaded a research project analyzing the effectiveness of maternal health programs, leading to policy recommendations that enhanced healthcare access for underserved populations in Mississippi.
* Managed end-to-end SAS programming for multiple research studies, including the development of custom TLF outputs for Clinical Study Reports (CSRs) ensuring 100% compliance with data accuracy standards.
* Designed and maintained CDISC-compliant SDTM and analysis datasets by utilizing SAS macros, PROC TRANSPOSE, and PROC SQL, streamlining data transformations and reducing processing time by 20%.
* Prepared detailed data listings and statistical summaries using SAS procedures (PROC MEANS, PROC FREQ and PROC UNIVARIATE), enabling accurate reporting for clinical research projects.
* Automated pre-processing tasks for large-scale datasets using SAS BASE and SAS MACRO, resulting in a 20% increase in efficiency and reducing manual errors.
* Conducted thorough quality assurance checks and implemented data cleaning protocols, ensuring dataset integrity and reliability for regulatory submissions.
* Collaborated on a community health project to analyze healthcare utilization trends, coordinating data collection efforts with healthcare providers, community organizations, and government agencies to achieve 95% data completeness and accuracy.

Graduate Research Assistant  08/2021 – 12/2022

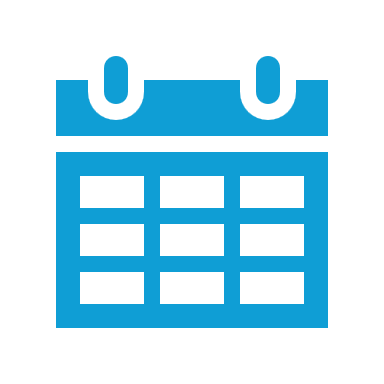
**College of Nursing & Health Professions, The University of Southern Mississippi**  Hattiesburg, MS

* Contributed to diabetes intervention studies by designing TLF outputs and transforming clinical trial data into CDISC-compliant datasets.
* Secured two major grants by providing robust data analyses and literature-backed recommendations.
* Executed complex SAS procedures such as PROC FREQ, PROC MEANS, PROC SQL, PROC MIXED, PROC CORR, PROC ANOVA, PROC GLM, PROC REG, PROC LOGISTIC, PROC GENMOD, and PROC PHREG.
* Assisted in the preparation of five manuscripts for peer-reviewed journals, leveraging data visualization techniques and advanced statistical interpretation to enhance research clarity and impact.
* Presented findings from a study on community-based healthcare interventions at a national conference, receiving recognition for excellence in public health research.

Statistical Programmer Analyst (Public Health)  06/2016 – 08/2021

**Department of Public Health& Family Welfare, Govt. of Andhra Pradesh**  India

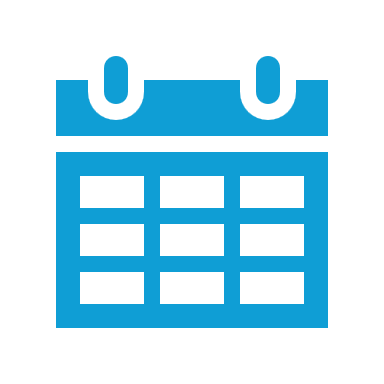
* Developed new programming specifications and verified already written specifications for the analysis datasets resulting in 30% improvement in SAS generated outputs and timeliness in public health reporting.
* Designed SAS programs to analyze Electronic Health Records (EHR) data, improving data accuracy and facilitating efficient patient health trend monitoring.
* Developed and maintained surveillance databases to enhance early detection and response to disease outbreaks such as dengue fever and tuberculosis, enhancing state-level epidemic preparedness and a 15% reduction in morbidity rates.
* Documented SAS programs, datasets, and methodologies thoroughly, enabling seamless knowledge transfer and ensuring compliance with audit requirements.
* Coordinated with state-level health authorities to standardize data collection methods and reporting formats across 100 Primary Health Centers, improving data interoperability, and enabling 25% improvement in disease surveillance capabilities.

Clinical Research Analyst  04/2013 – 05/2016

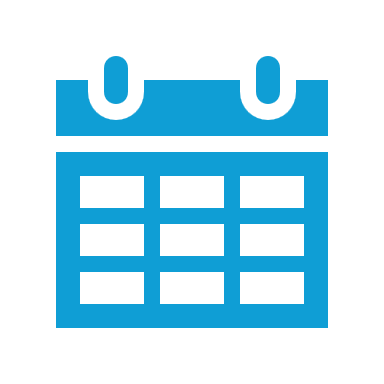
**National Health Mission, Govt. of Andhra Pradesh**  India

* Streamlined data entry processes, reducing errors by 25% and increasing study completion rates by 10%.
* Coordinated patient recruitment efforts, implementing effective communication strategies that boosted enrollment rates by 20%.
* Conducted pre-screening assessments and eligibility evaluations while maintaining compliance with study protocols leading to a 15% reduction in protocol deviations and enhancing data integrity.
* Supported the implementation of rigorous quality control measures, including regular site visits and audits, ensuring compliance with Good Clinical Practice (GCP) guidelines and Standard Operating Procedures (SOPs).
* Prepared study protocols, informed consent forms, and regulatory submissions, maintaining Institutional Review Board (IRB) compliance facilitating smooth study initiation processes.

**EDUCATION**

Master of Public Health (Biostatistics and Epidemiology)  08/2021 – 12/2022

**The University of Southern Mississippi, Mississippi, U.S.A.** Overall GPA: 3.91

Bachelor of Medicine and Bachelor of Surgery (MBBS)  07/2007 – 03/2013

**Maharajah’s Institute of Medical Sciences, NTRUHS, India** Overall Percent: 80%