Samar Josyula

samarjosyula@outlook.com | 571.528.1718 | Washington, D.C. | LinkedIn: samar-josyula

Summary

Administrative and data-focused professional with experience in high-accuracy documentation, deadline-driven workflows, and cross-team coordination in healthcare and analytics settings. Known for detail-oriented recordkeeping, documentation management, and consistent protocol follow-through.

Education

University of Pittsburgh — Computational Biology
Pittsburgh, PA • Exp. May 2027

Experience

UPMC Montefiore — Pittsburgh, PA
Patient Care Technician — May 2024 - June 2025

- Supported a 36-bed acuity adaptable, med-surg unit in a fast-paced unit, prioritizing time-sensitive tasks and maintaining accuracy while coordinating with multidisciplinary staff.
- Maintained clear, compliant documentation and adhered to established policies/procedures while handling sensitive information with discretion and professionalism.
- Executed detail-critical procedures (e.g., phlebotomy, EKG administration), verifying identifiers, following protocols, and reducing error risk under pressure while delivering consistent service to a diverse population with complex needs.

MedStar Health — Washington, D.C.
Data Analyst Intern — May 2023 - August 2023

- Supported a deadline-driven analytics project focused on maternal health risk identification, requiring consistent accuracy and careful handling of sensitive information.
- Consolidated and standardized complex inputs into structured records to improve completeness and usability for possible courses of action.
- Built and maintained reproducible workflows in Python and R to organize data, generate summaries, and support clear reporting.

Projects

LLM4DD

- Designed and implemented a hybrid analytical pipeline, integrating diverse data sources (e.g., empirical imaging, machine learning) for complex pattern identification and strategic insight.
- Leveraged a novel AI framework (LLM4SD) to synthesize multi-modal data, enabling enhanced feature generation, information prioritization, and detailed mechanistic analysis.
- Contributed to the development of a scalable, interpretable AI-driven approach for identifying key targets and deriving actionable insights from large, complex datasets

LLM Integration into in silico PGCC Inhibitor Discovery (Literature Review)

- Structured scientific literature review investigating the possible integration of large language models into modern ML pipelines for polyploid giant cancer cell (PGCC) inhibitor discovery.
- Inhibitory evalutation for possible future drug discovery, based on the LLM4SD framework provided by Zheng et al. (2025).

Skills

Proficiencies
Document management & review, Legal research, Data analysis, Client communication, File management, Email coorespondance, Database management

Technical
Microsoft Office (word/excel/powerpoint/outlook), Google Workspace, Westlaw, LexisNexis, Programming Languages (Python/Java/R)