

Dr. Sai Shruthi Thummala

Denton, TX | saishruthithummala@gmail.com | +1 (479)-866-2745 | [LinkedIn](#) | [Portfolio](#)

EDUCATION

University of North Texas, Denton, TX, US

Jan 2023 – Dec 2024

Master of Science in Health Informatics

Relevant Coursework: Healthcare Systems, Research Analysis, Electronic Health Records, HIPAA.

Sri Indu Institute of Pharmacy (JNTU), Hyderabad, India

Nov 2014 – Jun 2020

Doctor of Pharmacy (Pharm D)

Relevant Coursework: Pharmacotherapy, Pharmacology, Drug Discovery, Clinical Research.

CAREER SUMMARY

Experience: 2 years as a Clinical Health Record Specialist and Pharmacist at Sia Life Hospital.

Technical Skills: Electronic Health Records, Patient Counseling, Adverse Drug Reactions, Pharmacology.

Certification: ISEP

PROFESSIONAL EXPERIENCE

Sia Life Hospital, Hyderabad, India

July 2020 – May 2022

- Monitored patient care in the Intensive Care Unit and evaluated health records to identify trends impacting treatment outcomes.
- Detected adverse drug reactions by analyzing patient case histories, contributing to improved medication safety protocols.
- Facilitated patient counseling sessions, collected, and organized data for research, supporting evidence-based findings to drive healthcare improvements.
- Assessed clinical interventions and their outcomes, ensuring alignment with best practices and patient care objectives.

ISEP CERTIFICATION

- Clinical Research:** Gained expertise in designing, conducting, and monitoring clinical trials while ensuring adherence to ethical guidelines, ICH, and Good Clinical Practice (GCP) standards, informed consent, and TMF.
- Pharmacovigilance:** Developed proficiency in identifying, assessing, and reporting adverse drug reactions, contributing to enhanced drug safety and risk management.
- Clinical Data Management:** Acquired skills in managing clinical trial data, ensuring accuracy, consistency, and compliance with regulatory standards through advanced tools and methodologies.
- Regulatory Affairs:** Mastered the preparation and submission of regulatory documents, ensuring compliance with global standards for pharmaceutical approvals and licensing.
- Medical Writing:** Demonstrated ability to create clear, concise, and scientifically accurate documents, including clinical study reports, regulatory submissions, and scientific publications.

INTERNSHIP EXPERIENCE

BBR Hospital, Hyderabad, India

Jan 2019 – July 2020

Healthcare Data Analyst

- Analyzed 200 *Pseudomonas aeruginosa* cases, identifying the highest prevalence in males aged 56-60 years with urinary tract infections and comorbidities. Evaluated antibiotic efficacy, finding high sensitivity to beta-lactams and resistance to quinolones and cotrimoxazole.

General medicine, OBG, Orthopedics and Dermatology

- Demonstrated proficiency in the knowledge required for effective case management, ensuring accurate decision-making and streamlined processes for each department.
- Exhibited active participation in initiatives and discussions, leveraging strong research aptitude to contribute to data-driven solutions and innovative strategies.

RESEARCH

- Studied the patterns of antimicrobial resistance in *Pseudomonas aeruginosa* based on culture sensitivity reports from BBR Hospital over six months. It aimed to understand resistance trends and help improve antibiotic use.
- Examined how artificial intelligence (AI) can be used in data analysis and managing electronic health records (EHRs). The research showed how AI can make healthcare processes more efficient and improve patient care.
- Explored how artificial intelligence can help fight depression worldwide, focusing on how AI can support early diagnosis and personalized treatment. The study highlighted how AI can make mental health care more accessible, especially in areas with limited resources.