

## Saradeepika Guntupally

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### PROFESSIONAL SUMMARY

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I am a detail-oriented and enthusiastic postgraduate student specializing in Healthcare Informatics and a Doctor of Pharmacy, dedicated to excelling in technical environments. Currently, I am gaining invaluable experience as a Clinical Data Analyst Intern at Trilab Health, where I am honing my skills in data analysis, EHR management, and clinical data interpretation. I am proficient in using tools such as Power BI, SQL, Python, and SAS to analyze and visualize complex datasets, driving data-driven decision-making processes.

### EXPERIENCE

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#### Trilab Health, Clinical Data Analytics Intern

May 2024 - Aug 2024 | Elmhurst, USA

- Conducted comprehensive data analyses, including descriptive, statistical, comparative, and quantitative analyses, on three months of clinical data using Python and SQL.
- Developed dynamic visualizations such as heatmaps and geographical maps using Power BI and Matplotlib to present data insights effectively.
- Spearheaded the creation of a high-performance data processing tool, enhancing analysis efficiency by 30%.
- Implemented advanced data cleaning, validation, and secure data transmission processes, ensuring high data quality and confidentiality.
- Collaborated with cross-functional teams and participated in client sessions to integrate data insights into operational strategies and address client requirements.
- **Technologies Used:** Python, Tableau, Power BI, MySQL, Matplotlib.

#### Belief Hospitals, Clinical Pharmacist Intern

June 2021 – Aug 2022 | Khammam, India

- Discussed over-the-counter medication and equipment options to help patients deal with individual symptoms.
- Mentored residents and interns in the pharmacy on operations, clinical support, medications, and other essential job aspects.
- Delivered pharmacological education to patients by responding to questions, explaining medication side effects.
- **Technologies Used:** Clinirex, Micromedex, Microsoft Excel.

#### KIMS, Clinical Pharmacist Intern

July 2020 - April 2021 | Secunderabad, India

- Practiced electronic medical recording (EMR) by working on the CLINIREX application and analyzing the data, drug interactions, and medical research on current updates using Medscape, Micromedex, Journals, and articles.
- Applied sound knowledge of treatment protocols for standardized care of patients and assessing evidence-based medicine (EBM) practice.
- **Technologies Used:** Micromedex, Clinirex, Microsoft Excel, EMR portal of the hospital, CIMS.

### EDUCATION

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#### Masters in Healthcare Informatics, Governors State University.

Jan 2023 - Aug 2024 | USA

Course work - Introduction to Healthcare Organization, Health Care Statistics, Intro to Object-Oriented Program, Data Design & admin Health System, Big Data Analytics, Legal Aspects of Health Care Law, Community Health & Managerial Epidemiology, Java, Health Care Informatics, Internet Programming, Planning Management software project, & Info Security Policy Management.

#### Professional Doctorate in Doctor of Pharmacy, Kakatiya University.

Aug 2016 – Sep 2022 | India

Coursework –Clinical Research, Human Anatomy & Physiology, Pharma. Epidemiology & Pharm. economics, Biostatistics & Research Methodology, Clinical toxicology, Clinical pharmacokinetics & Pharmacotherapy Drug Monitoring, Clinical Pharmacy, Hospital Pharmacy, Pharmacology, Pharmacotherapeutics, Medicinal Chemistry, Biomedical Chemistry, Pharmaceutical Analysis, Biopharmaceutics and Pharmacokinetics.

#### Prof. Diploma in Clinical Research & Pharmacovigilance. Pacifix research.

June 2020 - Sep 2020 India

### TECHNICAL SKILLS :

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- **Programming Languages:** Python, T a b l e a u, SQL, SAS(Base, Advanced, Clinical).
- **Tools & Technologies:** MySQL, Power BI, Tableau, Pandas, Matplotlib, VS code.

### RESEARCH & PROJECTS

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- "An Observational study assessing the prescribing patterns of antibiotics in the respiratory tract infections in tertiary care hospital. " **2021 | Clerkship**
- "Database Management System in Hospital Pharmacy Delivery System" **2023 | Master's HI**
- "Harnessing Big Data Analytics for Genomic Personalized Medicine" **2023 | Master's HI**
- "Amazon Fresh Mobile and Web App Development for India Market" **2024 | Master's HI**
- **Technologies Used:** Python, Pandas, VS Code, SQL, Microsoft Excel, SAS.

### **Certifications/License:**

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- **Registered Licenced Pharmacist by Pharmacy Council of India.**
- SQL Essentials Training, SQL Data reporting and analysis
- SAS (Base, Advanced, Clinical)
- Got best performance certificate for Problem-solving Assessment conducted by Central Board of Secondary Education, Delhi, India.
- Participated in an Oral presentation at APP 5th INDO-US CONFERENCE, Warangal, Telangana.
- Participated in Regional level Basketball Meet 2012 & 2013
- Participated in Regional level Hand Ball Meet 2010
- Participated in the E-Poster event at the PHARMOXIE National Conference in 2017 in Hyderabad.
- Ranked as Cadet No. APSW/2013/147967 and Ser.no: TS/ 'B' Cert/Army/2015/0648 in NCC (National Cadet Corps) after passing the B-Certificate examination held in 2015 by the Defense Ministry of India.

### **LEADERSHIP AND VOLUNTEERS:**

- Secretary of SCHMA (Student HealthCare Management Association), **Governors State University, IL.**
- Volunteered in all the medical camps for Dengue, and Malaria which have been conducted in various villages from 2017-2020.
- Volunteered in Practicing Clinical activities during the COVID-19 pandemic in the emergency time to learn and serve people with sound knowledge and to understand further consequences by self-experience and analysis by following new treatment protocols in 2020.
- Volunteered at Awareness Campaign on COVID-19: Expecting the COVID-19 pandemic in 2020. Volunteered in emergency services for patients with Dengue fever in the Primary Health Care Center (PHC).
- Volunteered in Medical camps conducted by Kinnera Hospital and Belief Hospitals to make them aware of diseases and drugs at various departments in rotations.
- Volunteered as an educator about COVID-19 Vaccination in Khammam and rural areas.