Contact

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Top Skills

Shadowing

Teamwork

Machine Learning

Certifications

Epidemiology: The Basic Science of Public Health

Python for Health Sciences and Healthcare

Drug Commercialization

Python for Non-Programmers

Top 10 Skills for Healthcare Data Analysts

Honors-Awards

Certificate of participation

Certificate of participation

Foundation course for dental practitioners

Best Seminar presentation

World Implant Expo 2021

Dr.Sai Shivani Parimi

Clinical Informatics Analyst @ GTechnologies Pty Ltd | MS Health Informatics @ UNT | SQL • Python • EHR | Healthcare Data & Workflow Optimization | Dentist
United States

Summary

I am a Clinical Informatics Analyst and Health Informatics graduate student at the University of North Texas with a background in dentistry and over four years of clinical experience in India, including service as a COVID-19 frontline physician. My clinical foundation provides strong insight into patient workflows, triage decision-making, and the importance of accurate, structured clinical documentation.Through my transition into health informatics, I have developed hands-on experience in Python, SQL, Power BI, and electronic health record (EHR) systems. My work involves analyzing structured clinical datasets, supporting data validation and workflow optimization, and contributing to interoperability-focused initiatives including clinical concept mapping aligned with HL7 FHIR principles.My research interests lie at the intersection of clinical practice and data science, particularly in clinical decision support systems, healthcare interoperability, AI applications in dentistry, and quality improvement through structured health data. I am especially interested in how standardized clinical knowledge representation can improve patient outcomes and system efficiency.I am actively seeking opportunities in Clinical Informatics, Health Data Analytics, and Clinical Research, and I am also interested in pursuing a PhD in Health Informatics or a related field focused on data-driven healthcare innovation.

Experience

GTechnologies Pty Ltd
Clinical Informatics Analyst
January 2026 - Present (2 months)
Australia

• Analyze structured clinical and operational datasets using Python and SQL to support healthcare workflow optimization.

• Perform data cleaning, validation, and transformation within EMR modules to improve documentation accuracy and reporting reliability.
• Develop Power BI dashboards to monitor utilization metrics, documentation completeness, and workflow performance indicators.
• Collaborate with clinical and technical teams to enhance data integrity and streamline digital documentation processes.
• Apply interoperability concepts (HL7 FHIR exposure) to support structured data mapping and system optimization initiatives.
• Assist in identifying gaps in clinical data capture and recommend workflow improvements to enhance reporting consistency.

University of North Texas
1 year 3 months

Graduate Student Research Assistant (volunteer)
March 2025 - Present (1 year)

• Supported faculty-led research in Dental Informatics, enhancing clinical reference application usability.
• Developed and validated structured dental taxonomies by organizing clinical concepts across specialties.
• Conducted literature reviews to ensure clinical accuracy and relevance, utilizing PubMed and professional guidelines.
• Contributed to discussions on AI-driven concept mapping in healthcare, fostering innovative research approaches.

Student Assistant
December 2024 - Present (1 year 3 months)
Denton, TX

• Provide administrative and operational support to department faculty and staff
• Assist in data organization, documentation, and report preparation
• Support student engagement initiatives and academic event coordination
• Maintain confidential records and ensure compliance with institutional policies

Graduate Service Assistant
March 2025 - Present (1 year)
Denton, TX

• Manage and create professional social media content for the Department of Information Science, promoting Health Informatics programs and research initiatives.
• Analyze engagement metrics to evaluate content performance and improve digital outreach strategies.

• Assist in coordination and documentation of departmental initiatives related to Health Informatics.
• Support early-stage development of a Health Informatics-focused application by documenting workflows and feature requirements.
• Collaborate with faculty and student teams to align communication efforts with academic and research goals.
• Maintain organized digital documentation to support departmental operations.

Smileton Dental Clinic
General Dental Practitioner
May 2023 - July 2024 (1 year 3 months)
Hyderabad

• Utilized Dentee cloud-based EHR to capture structured patient data, treatment codes, and clinical outcomes
• Ensured completeness and accuracy of digital clinical documentation to support billing integrity and longitudinal patient tracking
• Monitored patient treatment trends and follow-up adherence to identify workflow improvement opportunities
• Standardized digital documentation practices to improve data consistency across providers
• Coordinated with administrative staff to align clinical documentation with insurance and compliance requirements
• Maintained strict confidentiality and data privacy practices equivalent to HIPAA standards

Partha Dental Skin Hair Clinic - Andhra Pradesh, Telangana, Chennai & Bangalore
Resident Doctor
November 2021 - April 2023 (1 year 6 months)
Hyderabad

• Managed structured clinical documentation using EHNOTE EHR, ensuring accurate data entry and record standardization
• Maintained diagnostic, procedural, and outcome data to support quality assurance reporting
• Assisted in internal documentation audits to reduce record discrepancies and improve data reliability
• Supported coordination between clinical and administrative teams to enhance digital workflow efficiency
• Contributed to documentation standardization aligned with best practices in electronic record management

• Documented patient history and treatment response to support continuity of care and data-driven decision-making

Government of Andhra Pradesh
General Duty Medical Officer(COVID DUTY)
May 2021 - November 2021 (7 months)
Kurnool

• Performed frontline COVID-19 triage by assessing symptom severity, oxygen saturation levels, comorbidities, and risk factors to prioritize patient care
• Categorized patients based on clinical acuity to determine home isolation, ward admission, or emergency escalation
• Documented structured patient data including vitals, laboratory results, imaging findings, and treatment interventions
• Maintained high-volume clinical records to support case tracking and public health surveillance reporting
• Coordinated with multidisciplinary healthcare teams to ensure adherence to evolving treatment protocols and isolation guidelines
• Monitored patient progression and updated documentation to reflect changes in clinical status
• Ensured compliance with infection-control procedures and regulatory documentation standards
• Supported data accuracy for daily case reporting and outcome monitoring

Optima dental care
General Dentist
January 2021 - May 2021 (5 months)
India

• Delivered comprehensive dental care including examinations, diagnosis, treatment planning, and procedures (restorative, preventive, extractions).
• Collected and documented structured patient information (history, vitals, findings, procedure notes, prescriptions) to support continuity of care and follow-up.
• Coordinated appointment flow, chair-side readiness, and patient communication to improve clinic efficiency and patient satisfaction.
• Ensured accurate documentation to support billing, referral continuity, and quality recordkeeping.

Dentacare Dental Clinic
Junior dentist
April 2020 - December 2020 (9 months)
Hyderabad

• Assisted in high-volume outpatient dental care, supporting senior dentists with assessments, procedures, and chair-side coordination.
• Performed patient screening, history capture, documentation of findings, and post-procedure instructions for follow-up adherence.
• Helped maintain accurate clinical records and organized case notes to support treatment continuity across visits.
• Supported clinic operations including scheduling coordination, instrument preparation, sterilization logs, and patient flow management.
• Educated patients on oral hygiene and preventive care, improving compliance with treatment plans.

Dr Aravind's Dental Clinic
Junior dentist
January 2020 - March 2020 (3 months)
Hyderabad

• Conducted preliminary patient assessments (chief complaint capture, history, clinical examination) and escalated complex cases to senior clinicians.
• Assisted in procedures and ensured accurate documentation of diagnosis, treatments, and follow-up instructions.
• Supported efficient chair utilization by coordinating patient readiness, procedural setup, and turnaround workflow.
• Maintained clinical safety and infection-control compliance, including sterilization workflow and operatory readiness.
• Strengthened patient communication by explaining procedures, aftercare, and follow-up schedules.

Government Dental College & Hospital (HYDERABAD)
Internship
December 2018 - December 2019 (1 year 1 month)
Greater Hyderabad Area

• Performed high-volume patient screening and clinical examinations across departments as part of rotational postings.
• Recorded patient histories, clinical findings, and treatment plans under supervision; supported continuity of care through accurate documentation.
• Assisted in a wide range of procedures (preventive, restorative, extractions, emergency/pain cases) while following institutional protocols.
• Prioritized cases based on urgency (pain, swelling, infection) and coordinated referrals/escalation to appropriate departments.
• Participated in case discussions, clinical seminars, and follow-up reviews to track treatment outcomes and patient adherence.

Education

University of North Texas
Master's In Health informatics , Information Science/Studies · (August 2024)

Rajiv Gandhi University of Health Sciences
Bachelor of dental surgery, Dentistry · (2014 - 2019)

HKE'S S . NIJALINGAPPA INSTITUTE OF DENTAL SCIENCES AND RESEARCH
BDS, BDS · (2014 - 2018)

Sri Chaitanya College of Education
BiPc · (2012 - 2014)

Chinmaya Vidyalaya School, Hyderabad
 · (2002 - 2012)